HARKIRAT SINGH

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Achievements / Positions of Responsibility

❒ Grand Prize Winner in "Improving the Quality of Education", sponsored by **UNESCO, Nokia and Pearson Foundation** in the Grand Finale of the "Education for All" Crowdsourcing challenge, where participants from all over the world participated (September 2012). Got mentioned in a press release by UNESCO, announcing the result and the award of USD 3000. (11 Oct, 2012)

❒ Developed and managed Explorate.in's entire tech operations and requirements single-handedly, while also being constantly involved in brainstorming over new features and ideas.

❒ Finished the developments for mpower.chat in very short deadlines single-handedly. Timing was very crucial as the startup was pivoting from Explorate.in.

❒ Fueled by an Entrepreneurial spirit**,** started DreamingKnights.com and Startoholics.in, while being an undergraduate. Startoholics made a great impact and at its peak, we had a team of 6 team members, including a few remote interns.

Education

- **Punjab Technical University**
  B.Tech. *Computer Science and Engineering*

  Mandi Gobindgarh, Punjab
  (June 2014)

- **Teja Singh Kandhari Public School**
  XII, Non Medical, CBSE

  Patiala, Punjab
  (2010)

- **Kendriya Vidyalaya**
  X, CBSE

  Patiala, Punjab
  (2008)

Work Experience / Projects

Software Engineer, Myra Medicines, Bengaluru (January 2018 – Present)

Helping users get their required medicines delivered to home!

Technologies used: Python, Redis, Postgresql, Nginx

Senior Software Developer, LetsEndorse, Bengaluru (July 2017 – January 2018)

Leading the technological work on a set of products related to empowering innovations by the collaborative powers of enablers. Architecting and designing solutions, and while having the responsibility of managing projects.

Technologies used: NodeJS, Python, PHP, Nginx, MongoDB, Redis, Postgresql

Full Time Consulting Software Engineer, Choice.ai (Minewhat.com), Bengaluru (March – July 2017)

Worked during the pre-launch development phase of Choice.ai, an AI based product for personalized e-commerce experiences of customers. Work always involved optimizations and architecting for high scalability.

Technologies used: Python, NodeJS, Nginx, PHP, MongoDB, Redis

Tech Lead at Mpower.chat, Mpower Solutions, Mumbai (June – November 2016)

Mpower.chat is a pivot by Explorate.in. It aims to be a chat based solution across existing messaging platforms for businesses to automate processes and interact with their customers in a human manner. Being the only developer at that junction, I played a crucial role along with the team to get the platform going by developing many initial chatbots using Wit.ai's NLP integration.

Technologies used: FB Messenger API, PHP (Codeigniter), MongoDB

Tech Lead at Explorate.in, Mpower Solutions, Mumbai (July 2015 – May 2016)

Developed and maintained everything that required tech, from end-to-end, along with being constantly involved with day-to-day activities of core team.

Apart from the constant feature additions and improvements, major challenging tasks were saving and categorising products being added by users, having a backend to monitor the products while allowing every product to get automatically tagged for better search results instantly, showing users the products according to their own taste (*Personalisation*), categorising users into categories based upon their interactions on the website. Also, had optimized the loading time of website from 10-13s to 2-4s.

Technologies used: PHP (Codeigniter), MySQL, Python (Scrapy), HTML, jQuery, Javascript, AJAX

Co-founder at Startoholics.in (June 2013 – January 2015)

Initiated the idea right from scratch to making it a substantial platform of choice for gaining visibility for entrepreneurs in India.
Apart from handling everything tech, managed a team of 5, executed on strategies and ideas about interviewing Entrepreneurs, and organized a campaign in Mumbai against common stereotypes in society.

Full Stack Web Developer at PriceBaba.com, Mumbai (July – October 2014)

Worked on redesigning, optimizations of backend code and day-to-day maintenance of two backends panels, used by the in-house operations team.

Technologies Used: jQuery, Redis, PHP, MySQL, Apache2, HTML, AJAX, CSS

Web Development Head at Alexis Patiala Chapter (July - November 2012)

Volunteered for Alexis Patiala Chapter as per event requirements. Developed website for GEVC (Global Ethics and Values Convention) which was held in NCR from 16th – 18th December 2012, and for our chapter's (local) events.

As a core team member of the Patiala Chapter, organized an outing and a fund-raising event called FIRE (Faith In Reaching Everyone) for students of Patiala School for The Deaf and Blind, while organizing events (competitions, dances, and theatrical dramas) for students of some schools in Patiala.

Technical Skills and Experience

Programming Languages	:	Python, Javascript / NodeJS, PHP, C++
Web Technologies	:	HTML, CSS, Nginx, Apache, Redis
DBMS	:	MongoDB, MySQL, PostgreSQL
Operating Systems:	:	Linux Ubuntu, Microsoft Windows

Miscellaneous

- Achieved an overall 92.25 percentile in Management Aptitude Test (MAT) by AIMA.
  Received 98.49 percentile in the "Data Analysis and Sufficiency" section, and 87.17 percentile in the "Intelligence and Critical Reasoning" section. *(December 2013)*
  Test conducted by All India Management Association (AIMA).
- As a Scout, was awarded "*State Level Puraskaar*" from Bharat Scouts and Guides.
- Achieved 96 percentile and an AIR of 2586 out of 73666 students who gave NITAT-2014, 10th National IT Aptitude Test conducted by NIIT. Received 100% in Problem Solving section. Also received merit certificate for the same. (February 2014)
- Represented my school at K.V.S. Regional Level Sports Meet of Chess at Chandigarh, competing with students from other Kendriya Vidyalayas under Chandigarh region.
  Was also a team member of school's basketball team.