

ANUBHAV APURVA

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Educational Qualifications

		Year	Performance
10 th	Delhi Public School, Ranchi	2012	95.5 (%)
12 th	Delhi Public School, Ranchi	2014	92.2 (%)
B. Tech	Manipal Institute of Technology, Manipal	2014-2018	8.47 (CGPA)
	<ul style="list-style-type: none">Major : Computer and Communication Engineering (CCE)Minor : Soft Computing		

Work Experience

- Software Engineer - II at Hewlett Packard Enterprise**
Bangalore (July 2018 – Ongoing)
 - I am working at the SQL compiler and query optimizer team for the NonStop SQL/MX Database.
 - In last 2.5 years, I have worked on enhancements in the optimization engine, added features and fixed several product issues.

Internships

- Hewlett Packard Enterprise, Bangalore (6 months)**
System Log similarity for efficient triaging
 - NLP pipeline to extract and condense important lines from 12K plus log files
 - Use of Machine Learning (word2vec, fastText, LSTM) to identify the appropriate error bucket
- Indian Institute of Technology (BHU), Varanasi (2 months)**
Citation Recommendation System for Scholarly Articles
 - Designed and implemented a recommendation system to retrieve research papers from the Microsoft Academic Graph (MAG)
- Tata Technologies Ltd., Jamshedpur (1 month)**
- Steel Authority of India, Ranchi (1 month)**

College Projects

- MedBook, a Medicare and Heath App (Windows Phone)**
 - Stores medical record and reports in a structured manner on cloud server - Microsoft Azure.
 - Share documents and details with authorized doctors and hospital staff
 - Other features such as heart beat monitor, pill reminder, emergency message, medicine dictionary etc.
 - National Finalist at Microsoft Imagine Cup – Delhi 2016 and Runners-up at Microsoft code.fun.do Campus Hackathon 2015
- Affordable and Portable Braille Printer**
 - Controller Module consisting of an Arduino Uno (ATmega328) Microcontroller controlled the print head and paper movements, and a Printing Module consisting of three SG-90 Micro Servos, which makes depressions on a regular A4 paper.
 - Incoming ASCII characters are converted to the corresponding Braille pattern and sent to the Controller Module through the COM port, enabling it to work both as a printer and as a typewriter.
- E-BAI (Intelligent Floor Cleaner)**
 - Find shortest path from initial point to destination using A-star search.
 - Image feedback loop to drive the bot from source to destination.

Achievements

- Best Technical Presentation, HPE Intern Project Fair & Contest 2018
- National Finalist, Microsoft Imagine Cup - 2016, Delhi
- Runners-up Microsoft code.fun.do Campus Hackathon 2015
- Best Paper Award, Paper Presentation, Quark-16, BITS Goa.
- Runners-up, Manipal University Innovation Challenge.

Publications

- Aiding the visually impaired: Developing an efficient braille printer (IEEE, Advances in Computing, Communications and Informatics - ICACCI 2017)
- Relevance Feedback Based Citation Recommendation for Scholarly Publications (IEEE, International Conference on Electronics, Computing and Communication Technologies - CONECCCT 2020)

Patent Application

- Method For Classifying Log Files (IN201941017235, US20200349112A1, filed in April 2019, grant decision pending)

Social Responsibility

- Organizer of School Contact Program under Akshay Urja Club, Manipal (2015-2016)
- Managed website development team at India Young Foundation, Jharkhand (2020)