Gaurav Hoskote

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WORK EXPERIENCE

Chegg. – *Subject Matter Expert (Computer Science) (Aug 2021 till Present)*
- Providing solutions to problems and explaining difficult concepts in Computer Science.

Phonepe (Flipkart/Walmart) Ltd. – *Member Technical Staff (Feb 2020 till Aug 2021)*
- System Security: Developed a system that can detect anomalies in the system and also point out low success rates observed for specific service providers.
- Also worked on Reconciliation systems. A system for sending, receiving and reconciling data with partner merchants. Data was transferred via SFTP and API Calls.
- Worked on various other projects and debugged many issues in the system and implemented the required improvements.
- Tech Stack used: Java (Dropwizard), Python.

HSBC Technologies India(HTI) Ltd. – *Software Engineer (July 2019 to Jan 2020)*
- Completed my training in Web Technology and joined the Due Diligence team at HSBC.
- Worked closely with project managers in ensuring smooth deliverables to customers by ensuring best coding practices were implemented.
- Tech used: Java (Spring)

EDUCATION

Bachelor of Engineering (B.E.) (Electronics and Telecommunication) CGPA - 7.75(*2015 – 2019*)
Pune Institute of Computer Technology, Pune University, India.

ACADEMIC PROJECTS

Spectrum Sensing for Cognitive Radio using Machine Learning. (Aug- Sep 2018)
- Cognitive radio can be configured dynamically to use a band of the spectrum with no data being sent on it.
- Used Support vector machines to classify signals as noise or data using EigenValue based detection.
- Tried for various test statistics and obtained better accuracy for the test statistic - Energy Detection. Working on publishing it in a journal.

Barcode-operated Attendance System (Jan- Feb 2018)
- Identified a scope of improvement in the existing manual register system of the college and proposed a solution for the same.
- Developed a Java Swing application and used MySQL DB to store and retrieve student data.
- The project helped reduce the cost of maintaining manual registers. Was rewarded with a cash prize and certificate for my contribution to this in-house project.

Lighting Automation Using DIP. (Aug- Sep 2017)
- The project focuses on automating the lighting of a classroom using Face detection.
- Each frame captured by the live video was divided into segments and Haar cascades algorithm was used to detect the faces. The lights were turned on based on which segment the face detected was present in.
- The project was approved to be installed in the University classroom.

COURSES TAKEN

- Deep Learning Specialization - DeepLearning.ai
- Mathematics for Machine learning - Linear Algebra by Imperial College London.(98%) July 2021
- Mathematics for Machine learning - Multivariate Calculus by Imperial College London.(99.25%) July 21
- Machine Learning - by Prof Andrew Ng on Coursera Stanford Certification.(96.47%) August 2017
- MIT 18.02 Multivariate Calculus
- Statistics 110 - Harvard

SKILLS

- Technical Proficiency in Languages - Python, Java, C++, C.
- Databases used: MySQL, PostGreSQL and NoSQL Database (Elastic Search).
- Well versed with Git commands and usage of Github and Gitlab.

EXTRACURRICULAR INVOLVEMENTS

- Conducted workshops on Data Structures, Algorithms, and Problem solving.
- Won the Award for Academic Excellence Trophy. (twice - 2013 and 2015)
- Secured first rank in lightweight cryptography workshop.
- Member of PICT Algorithm Club (PAC).