Param Manoj Bhavsar

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WORK EXPERIENCE

Department of Ophthalmology and Visual Sciences, OSU November 2023 – Present
Student Research Assistance *Columbus, OH*
- Working on research to develop a naive computer vision algorithm for extracting and computing vessel wall thickness in retinal images.

Eaton Corporation plc May 2023 – August 2023
Software Engineering Intern *Plymouth, MN*
- Created a desktop GUI application utilizing QT Designer, Python, and C++ for efficient control and monitoring of power line devices, resulting in a 50% reduction in manual tasks associated with hardware control and testing.
- Spearheaded the implementation of GitHub Actions across code repositories, optimizing the peer code review process and automating crucial code checks. This initiative led to a 30% acceleration in the review timeline.

HSBC January 2022 – July 2022
Senior Software Engineer - Commercial Banking *Pune, India*
- Led the country onboarding project which involved developing microservices in MuleSoft and Spring Boot to accommodate 4 new countries and 30+ payment types.
- Collaborated on the design and implementation of HSBC's Banking as a Service platform, a critical infrastructure supporting 18,000+ corporate clients and managing an annual transaction volume exceeding 3 trillion dollars.
- Revamped and optimized the staff web application, resulting in a 25% reduction in application response time.

HSBC July 2019 – December 2021
Software Engineer - Commercial Banking *Pune, India*
- Designed and developed the payment push notification service using Java, ReactJS, IBM MQ, and Kafka technologies to support 10,000+ UK and Indian corporate customers.
- Developed Spring Boot services, leveraging object-oriented programming paradigms and advanced Java features, to cater to the needs of over 2 million customers.
- Contributed to the web development of a payment tracking feature using ReactJs and Redux, resulting in a notable 10% annual growth in customer engagement.

BMC Software Inc. October 2018 – May 2019
Project Intern *Pune, India*
- Architected and built the private Blockchain network for CRM using the Hyperledeger Fabric framework to support licenses and compliance management of 1500+ customers.

EDUCATION

The Ohio State University, Columbus August 2022 - Present
MS in Computer Science and Engineering (GPA: 3.7/4)
Relevant Courses: Machine Learning & Statistical Pattern Recognition, Data Mining, Foundation of Programming Languages, Algorithms, Data Visualization, Advance Operating System

Pune Institute of Computer Technology, India July 2015 - May 2019
Bachelors of Engineering in Computer Engineering (CGPA: 9.21/10)
Relevant Courses: Artificial Intelligence & Robotics, Data Analytics, Computer Networks, Cloud Computing

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C, C++, Swift, Go, JavaScript, CSS, HTML
- **Databases:** Oracle Database, MySQL, PostgreSQL, MongoDB, Firebase
- **Libraries & Frameworks:** Spring Boot, MuleSoft, ReactJs, Pytorch, TensorFlow, Sklearn, BootStrap
- **Tools & Technologies:** GCP, Git, Kafka, Docker, Kubernetes, Android, CUDA

CO-CURRICULAR ACTIVITIES

- Served as a **founding member** of project incubator committee at **NumFOCUS** organization.
- **Mentored** 30+ pre-university students in developing deep learning models at **Google-CodeIn 2019** for **TensorFlow**.