Param Manoj Bhavsar

Columbus, OH | (614) 374-8014 | bhavsar.35@osu.edu | LinkedIn | GitHub | Portfolio

EDUCATION

The Ohio State University, Columbus — August 2022 - Present
MS in Computer Science and Engineering (GPA: 3.7/4)— Expected Graduation Date - May 2024

Pune Institute of Computer Technology, India — July 2015 - May 2019
Bachelors of Engineering in Computer Engineering (CGPA: 9.21/10)

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C, C++, Swift, Go, JavaScript, CSS, HTML
- **Databases:** Oracle Database, MySQL, MongoDB, Firebase
- **Libraries & Frameworks:** GCP, Spring Boot, MuleSoft, ReactJs, Android, Kubernetes, TensorFlow, Sklearn

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.
- Collaborating on creating a medical assistance tool to expedite the analysis of underlying health conditions through utilizing vessel wall features.

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 — July 2019 – 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.
- Worked on the staff web application enhancement, implementing optimizations for streamlined customer profile management, contributing to improved efficiency and user experience.

Software Engineer - Commercial Banking

- 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.
- Recognized with the Circle of Excellence award for exemplary achievement in designing scalable architecture and implementing optimal design patterns in various project developments.
- 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.

CO-CURRICULAR ACTIVITIES

- **Founding member** of project incubator committee at **NumFOCUS** organization. Advised 3+ open-source scientific projects on how to grow, build a community, get sponsorship, and attract contributors.
- **Mentored** over 30 pre-university students in **Google-CodeIn 2019** for **TensorFlow**, teaching Deep Learning concepts and guiding the implementation of models using TensorFlow.