# 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: 4.0/4) — Expected Graduation Date - May 2024*

**Relevant Courses:** *Machine Learning & Statistical Pattern Recognition, Data Mining, Foundation of Programming Languages*

**Pune Institute of Computer Technology, India** — July 2015 - May 2019

*Bachelors of Engineering in Computer Engineering (CGPA: 9.21/10)*

**Relevant Courses:** *Algorithms, Artificial Intelligence & Robotics, Data Analytics, Theory of Computation, Discrete Mathematics, Operating System, Computer Networks, Cloud Computing*

## TECHNICAL SKILLS

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

## WORK EXPERIENCE

**HSBC** — July 2019 – July 2022

*Senior Software Engineer - Commercial Banking* — *Pune, India*

- Led country onboarding projects and developed microservices in MuleSoft to accommodate 4 new countries and 30+ payment types.
- Collaborated in the design solutions for the HSBC Digital cloud transformation platform, which supports 18k+ corporate clients and handles 3+ trillion dollars in annual transactions.

*Software Engineer - Commercial Banking*

- Designed and implemented the payment push notification service using Java, IBM MQ, and Kafka technologies to support 10000+ UK and Indian customers.
- Awarded with the circle of excellence award for designing scalable architecture and utilizing optimal design patterns.
- Developed Spring boot services utilizing OOP paradigms and Advanced Java features serving 2M+ customers.
- Worked on an interactive UI using ReactJs and Redux for payment tracking, resulting in 10% annual customer growth.

**Google Summer of Code 2019 with TensorFlow** — May 2019 – August 2019

*Student Developer* — *Remote*

- Instituted the machine learning library in Swift using TensorFlow as a backend called swiftML to support type safety in AI application development.
- Added more than 15+ traditional algorithms covering classification, regression, and dimension reduction.

**BMC Software Inc.** — October 2018 – May 2019

*Project Intern* — *Pune, India*

- Architected and built the private Blockchain network using Hyperledeger Fabric framework to support licenses and compliance management of CRM products. (IEEE 2019 INDICON)
- Implemented dynamic Smart Contracts for the license tracking of more than 100K+ customers.

## PROJECTS

**Autonomous Ephemeris Predictions By Navigation Receivers**

- Modeled an intelligent forecasting algorithm that predicts the satellite position for the next 5 days in a computationally lightweight, fast, and highly accurate manner.
- The resulting model substantially decreases the Time-to-First-Fix in communication satellite navigation. Finished 2nd out of 60 teams at the Indian Space Research Organization (ISRO), Hackathon 2019.

## CO-CURRICULAR ACTIVITIES

- **Founding member** of Project incubator committee at **NumFOCUS** organization. Advising 3+ open-source scientific projects on how to grow, build a community, get sponsorship, and attract contributors.
- **Mentored** at **Google-CodeIn 2019** for the **TensorFlow** organization. Tutored Deep Learning concepts to more than 30 pre-university students and guided them in implementing models in TensorFlow.