PRANSHU NITIN BHEDA

pb2053@rit.edu | +1 (917) 794-8716 | https://pranshubheda.github.io/

EDUCATION

Rochester Institute of Technology | Rochester, NY **May 2020**
Master of Science, Computer Science GPA: 3.67/4

Thakur College of Engineering & Technology | Mumbai, India **May 2017**
Bachelor of Engineering, Information Technology GPA: 7.44/10

WORK EXPERIENCE

SoFi | Seattle, USA **Aug 2022 – Present**
Senior Software Engineer, Identity

- Improve availability and resiliency of service by implementing automated failover mechanism for critical tier-1 services that handle login and registration
- Mentor interns and junior team members.

SoFi | Seattle, USA **May 2022 – Aug 2023**
Software Engineer, Identity

- Full-stack development using Java and JavaScript on tier-1 services that handle login, registration, two-factor authentication and authorization for millions of users at a top financial institution.
- Contributed to building an authorization server to power SoFi travel experience.
- Contributed to building a framework to gather device intelligence for a user session to enable data driven risk profiling.

MathWorks | Natick, USA **May 2020 – May 2022**
Software Engineer, Install & Licensing

- Full-stack development on MathWorks Product Installer using JavaScript on the frontend and C++ on the backend.
- Contributed to the design of an event driven architecture to make the installer data driven while migrating legacy code.
- Developed the progress panel widget and the logic to handle back and forth navigation in the installer.

Neebal Technologies | Mumbai, India **Jun 2017 – Jun 2018**
Associate Software Engineer

- Developed full-stack enterprise scale web applications for a Fortune 500 company following Agile.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, MATLAB, Java, Kotlin

Devops: Kubernetes, Docker, Datadog, Cloudflare, AWS

UI Development: AngularJS, React, DOJO, Lit, Web Components, HTML, CSS

Data Engineering: Pentaho Data Integration

Database: MySQL, Neo4j, Apache Jena, Oracle, PostgreSQL, MongoDB, SPARQL, Cypher, GraphQL

PROJECTS

MATLAB Blockly **3rd Place**
Hackathon

- Developed a block based visual programming editor enabling users to generate MATLAB code by connecting blocks of code together like a puzzle to build programs. Helps overcome the initial syntax barrier in introductory programming assignments.
  Stack: MATLAB, JavaScript

GPS Data Analysis **Academic**

- Analysis of GPS data collected from an Arduino connected to a car to identify the best route from given source to destination.
- Involved data cleaning, data clustering and objective function minimization to identify the best route.
  Stack: Python, Pandas, SK Learn

Social Network Analysis – DBLP Dataset **Academic**

- Creating a co-author network from an XML dump and loading the derived network in a Neo4j database for effective querying. Analyzing the derived network using graph theory to identify collaboration patterns amongst research communities.
  Stack: Java, MySQL, MongoDb, Neo4j

Machine Learning on Graphs **Academic**

- Graph representation learning using the TransE algorithm followed by link prediction using the IMDB knowledge graph.
  Stack: Java, Apache Jena

Mobile Robot Programming – Pioneer P3-DX **Academic**

- Implemented occupancy grid mapping, particle filter localization and theta star path planning algorithm using laser scan and sonar sensors.
  Stack: ROS, Python

Quantum Algorithms **Academic**

- Developed and presented a seminar in quantum algorithms, Fall 2019 – Deutsch-Jozsa Algorithm.