Prateek Joshi

Email: jprateek11@gmail.com, **Linkedin:** linkedin.com/in/joshi-prateek, **Ph:** (218) 940 5948, **Address:** 14 Harwood Rd, Natick, MA

WORK

Software Engineer, MathWorks   *May'20 – Present*

- Developed UI framework APIs to integrate "Figure" windows with web-based MATLAB.
- Refactored client-server communication infrastructure used by the UI Framework to make the desktop APIs more deterministic.
- Fixed bugs in GUI and infrastructure of MATLAB & Simulink UI Components.

Application Support Engineer, MathWorks   *Sep'19 – April'20*

- Contributed to the development of the version history feature for the File Exchange website and Add-On Explorer tool in MATLAB.
- Re-solved technical difficulties faced by customers in machine learning, MATLAB scripting and data processing.

Software Developer Intern, TempWorks Staffing Software, MN   *May'18 – August'18*

- Developed the onboarding wizard GUI for the web version of Enterprise Infinity.
- Addressed around 40 bugs across 4 projects in SQL stored procedures, UI and REST API.

Software Developer, KeepWorks, India   *April'15 – May'17*

- Refactored the backend architecture of Kandy Developer Portal, a website built on Ruby on Rails and PostgreSQL, by refactoring the database schema from 220 to 40 tables which significantly improved page load time by 60 percent.
- Designed and implemented a process to migrate data with zero downtime in production.
- Developed billing algorithm for Genband Inc., to charge customers of their WebRTC product.
- Developed Joojip, a data visualization web app, from scratch with a Rails 5 API as the back end and a React JS based single page application for the front-end.

Business Technology Analyst, Deloitte LLP, India   *July'14 – April'15*

- Implemented automated tests using a propriety framework using Java.
- Stabilized script failures by identifying gaps in developer code and framework capabilities.

EDUCATION

University of Minnesota, Duluth, MN   *Aug'17 – May'19*
M.S. in Computer Science, GPA: 4.0

Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, India   *Aug'10 – May'14*
B.Tech in Information and Communication Technology, GPA: 7.2 / 10

SKILLS

Programming Languages: Proficient: JavaScript, HTML, CSS, Python, Ruby. Familiar: Java, C++.
Tools: Git, Perforce, Lit, Dojo, React, Redux, Ruby on Rails, Node JS.