JAIVIK JOSHI

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Highlight of Qualifications

Languages: Python, Java, C, C++, JavaScript, TypeScript, SQL, HTML/CSS, Ruby, Go
Tools: MySQL, MongoDB, GraphQL, Docker, Heroku, Firebase, AWS(S3, API Gateway, Lambda), Git
Technologies/Frameworks: Linux, React.js, Express.js, Angular.js, TensorFlow, OpenCV, Flask, Node.js

Experience

Knowbie   **Jan 2025 – August 2025**
Software Engineer Intern   *Remote*

- Enabled cross-location announcements and team creation across **250+** client locations by centralizing HQ-to-store communication in a single dashboard flow, improving message reach and consistency.
- Cut mobile app cold-start by **40%** by speeding up the Animation, taking total load from **5.0s to 3.0s**.
- Led migration from MongoDB Realm to Firebase across mobile, operator dashboard, and backend by implementing token-verification middleware and secure password-reset, which delivered **zero-downtime** cutover ahead of Realm EOL.
- Designed a paginated deletion cron for aging announcements to replace all-at-once loads, eliminating Mongoose timeouts, it reduced the working set **96%** for each cleanup run.
- Devised a secure image-upload system for operator profiles by routing uploads through a backend proxy and Firebase Storage with JWT verification, preventing unauthorized access and improving data security across **250+** user accounts.

Paim AI   **May 2024 – August 2024**
Software Developer Intern   *Remote*

- Created a React UI with account access, analytics and charts for KPIs, with added time filters and csv export, which cut manual spreadsheet reporting by **70%** and lead visibility into **200** conversations/week.
- Added lightweight API checks by created 25 Postman sanity tests and hooked them into CI on every PR, which prevented **5** broken deploys by failing the gate early.
- Stabilized flaky tests by isolating async issues, adding deterministic fixtures and proper waits, which raised CI pass rate from **78% to 92%** in two weeks.
- Built a responsive, multi-page site with basic SEO, which improved inbound leads by **15%** over 6 weeks.

BAPS Charities   **May 2023 – August 2023**
Full-Stack Developer   *Remote*

- Constructed a React and Node.js announcement site with real-time updates, handling over **200** monthly announcements
- Cut **15+** admin hours per week by automating the display of spreadsheet data using a Python backend with Flask
- Implemented a simple, JWT-secured REST API for BAPS Charities to handle volunteer and event data, integrating Google Sheets and deploying on AWS, which supported **4,000** attendee check-ins

Projects

KindredNotes | *AngularJS, Node.js, Firebase Auth/Firestore, Firebase Hosting*

- Delivered MVP web app for sending/receiving "kind notes" within the **8** week sprint window.
- Architected multi-provider authentication using Firebase with email/password, Google, and Facebook login, also added synced display names and tag preferences during onboarding.
- Engineered a composer + tag model and REST/Firestore flows, which added daily email notifications via cron and enabled **725** users to exchange notes and receive automatic "new note" alerts.

Brain Tumor Detector | *Python, Flask, Numpy, TensorFlow, Keras, OpenCV, Pillow*

- Developed a CNN with TensorFlow and Keras, achieving **98.5%** accuracy in MRI brain tumor classification
- Processed and augmented **3,000+** MRI images with NumPy, Pillow, and TensorFlow to the improve model.
- Used OpenCV and Pillow for resizing, grayscale normalization, and noise reduction, which improved dataset consistency and reduced training error by **12%**

Education

Queen's University   **Expected 2027**
Bachelor of Computing (Honours)
Certificate of Business   *Kingston, ON*

- **Relevant Coursework:** Data Structures, Software Methodology, Algorithm Analysis, DBMS, AI, Internet Technology, Systems Programming, Computer Architecture