

PRANJAL EKHANDE

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience in full-stack development and cloud automation. Quick learner and proactive team player, skilled at tackling challenges in fast-paced environments. Committed to learning and delivering scalable, impactful solutions.

TECHNICAL SKILLS

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| Languages | Python, C / C++, Java, MYSQL Others: JavaScript, TypeScript, PL/SQL, Shell script |
| Lib/Frameworks | Java EE, Spring framework (JDBC, JPA, MVC), Angular, RESTful web-services, Kafka, NodeJs |
| Cloud DevOps | CI/CD, Docker, Kubernetes, Junit, Postman, Git, JIRA, Terraform, AWS, Google Cloud, Azure DevOps |
| AI/ML | Langchain, RAG, Vector Database (Pinecone), TensorFlow, PyTorch, NLP, Computer Vision |
| Courses | Adv. Data Structures, OOPS, Distributed Operating Systems, Analysis of Algorithms |

EXPERIENCE

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| YesTech, Corp Software Engineering Intern (AWS + React) - Remote | May 2025 – Ongoing |
| <ul style="list-style-type: none">Designing, and Migrating responsive, scalable mobile applications using React Native, and AWS services (ECR, S3). | |
| Boston University Graduate Research Assistant — Boston, MA, USA | Jan 2024 – Dec 2024 |
| <ul style="list-style-type: none">Led the study with the Naive Bayes using Stable Distributions, achieving a 12% improvement in classification accuracy.Built and executed a statistical benchmarking pipeline in Python, to evaluate model performance across 5+ key metrics for robust comparative analysis. (Publication Link) | |
| Tata Consultancy Services (Digital Cadre) Software Developer - Cloud Infra Automation | Aug 2020 - Aug 2023 |
| <ul style="list-style-type: none">Led full-stack development of a microservices-based web-app using SpringBoot, Angular, and PostgreSQL to enable real-time monitoring and management of hybrid cloud, improved operational visibility.Engineered cost-optimization security, patch management solutions across hybrid clouds using Terraform and Ansible. Reduced manual workload by 6–8 hours per person, improved resource utilization.Built server provisioning pipeline using Azure and Bash on Morpheus tool improved provisioning efficiency by 25%.Created POC of a deep learning-based ticket routing system using LSTM networks to analyze service requests. | |
| Tata Consultancy Services Machine Learning Intern | Dec 2019 - April 2020 |
| <ul style="list-style-type: none">Developed time series forecasting models (ARIMA) to predict expenditure trends, increasing financial planning accuracy by 25% and enabling data-driven budgeting for end users.Applied anomaly detection algorithms to flag unusual spending, boosting efficiency and cutting manual review time by 40%. | |

KEY PROJECTS

WordWise AI 🌐 — 🔄 Next.js, TypeScript, React, Tailwind CSS, Supabase, OpenAI API, Clerk Auth

- **Objective:** AI-powered writing assistant for content creation and Instagram carousel generation
- **Work:** Full-stack app with real-time grammar checking, AI suggestions, and OpenAI API integration
- **Result:** Comprehensive platform supporting 5+ formats with AI analysis and responsive UI

PitSnap 🌐 React Native, Expo, TypeScript, Supabase, FastAPI, OpenAI GPT-4, Pinecone, PostgreSQL

- **Objective:** Build a F1-themed social media platform with Snapchat-like messaging and AI-powered strategic analysis.
- **Work:** Built full-stack app with camera, stories, and AI chatbot. Optimized performance and secured data with RLS.
- **Result:** Achieved 60% faster app startup, 70% API call reduction, social features, and analysis with GPT-4 integration.

Educational Project and Task Management 🌐 Spring Boot, MySQL, Docker, Heroku, REST API, Maven, Jira, Git

- **Objective:** Build a scalable backend platform to support academic project coordination and task tracking.
- **Work:** Implemented RESTful APIs with role-based auth, and secure session control. Deployed using Docker on Heroku.
- **Result:** Enabled security, authenticated access, structured task lifecycle management, and reliable deployment.

Text-to-Image Generation 🌐 Python, PyTorch, DRGAN, Flickr8K Dataset, Word2Vec

- **Objective:** Translate textual descriptions into realistic images using deep generative models.
- **Work:** Optimized a DRGAN model on a dataset with a focus on improving image-text alignment and visual fidelity.
- **Result:** Improved image realism with a 12% increase in SSIM and 15% faster convergence compared to baseline GAN models.

EDUCATION

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| Boston University, USA | Sept 2023 - Jan 2025 |
| Master of Science in Computer Science (GPA - 3.86/4.0) | |

TEACHING EXPERIENCE

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| Data Science Fellowship - Faculty of Computing & Data Sciences | Jan 2024 – May 2025 |
| Graduate Teaching Assistant - Metropolitan College, Boston, MA | Jan 2024 – Jan 2025 |