

PRASHANT BARAL (He/Him/His)

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PROFILE

Entry-Level Software Developer with 1.5+ years of industrial experience and a strong academic foundation in AI, data science, backend and frontend development. Skilled in building business apps, collaborating with cross-functional teams, and deploying backend solutions. Influenced to innovate and apply emerging technology to address practical, real-world challenges.

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems **New York, NY**
Master of Science (MS) in Computer Science December 2025

Pokhara University, Nepal College of Information Technology **Lalitpur, Nepal**
Bachelor of Engineering (BE) in Information Technology August 2021

RELEVANT COURSEWORK

Programming with C and C++ | Data Structure and Algorithms | Advanced Java with API | Natural Language Processing | Computer Graphics | Web Technology | Game Programming | Network Programming | Artificial Intelligence

TECHNICAL SKILLS

Programming Languages: Python, SQL, JavaScript, Progress OpenEdge ABL, C, C++, C#, Java, PHP, HTML, CSS
Frameworks: Flask, Django, React, Next.js, Tailwind | **Software/Tools:** Jupyter Notebook, VS Code, Google Colab, Power BI, Tableau, Amazon EC2, Amazon AWS, Unity | **AI:** Large Language Model (LLM), Generative AI
Database: SQL, PostgreSQL, MySQL | **Operating Systems:** Windows, MacOS, Android, IOS, Linux, Unix

ACADEMIC PROJECTS / PERSONAL PROJECTS

Food Pantry Analysis System September 2024 – December 2024

- Analyzed Food Pantry data using Python to explore donation and consumer trends
- Implemented data cleaning, and data visualization, exploratory data analysis and time series analysis
- Forecasted high demand periods with over 85% accuracy using XGBoost model for inventory optimization

Web Platform for Machine Learning Models March 2021 – May 2021

- Developed a web application using Python, Flask, HTML, and CSS to showcase full-stack development skills
- Integrated 5+ machine learning algorithms into one platform, ensuring scalability for real-time predictions

PROFESSIONAL EXPERIENCE

Javra Software Pvt. Ltd. **Lalitpur, Nepal**
Software Engineer January 2023 – August 2023

- Developed and maintained more than 10 high-performance business applications using Progress 4GL
- Collaborated with cross-functional teams to implement efficient solutions and developing communication skills
- Mentored 10+ junior developers and interns, providing guidance on coding practices and debugging
- Created and updated 50+ technical documentation for streamlined future development

Junior Software Engineer February 2022 – December 2022

- Developed modules and assisted in writing, testing, and debugging code using Progress 4GL
- Co-ordinated with Agile teams through daily stand-ups and sprint planning
- Managed code changes using 2 version control systems, TortoiseSVN and Git
- Enhanced skills in database management, and software engineering through participation in 5+ projects

Progress Intern November 2021 – February 2022

- Gained hands-on experience in backend development, as well as developed problem-solving skills
- Influenced 4 training sessions on Progress OpenEdge, Scrum, and related technologies
- Expanded technical knowledge by engaging in 100+ hours of practical learning

LEADERSHIP EXPERIENCE

Progress Trainer, Javra Software Pvt Ltd May 2023 – July 2023

- Delivered technical sessions for 10 interns on OpenEdge ABL and debugging practices, improving onboarding speed