**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, JavaScript, OpenEdge ABL, C, C++, C#, Java, PHP, HTML, CSS

**AI:** Large Language Model (LLM), Generative AI **|** **Database:** SQL, PostgreSQL, MySQL, MongoDB, DynamoDB

**Frameworks:** Flask, Django, React, Next.js, Tailwind **| Operating Systems:** Windows, MacOS, Android, IOS, Linux, Unix

**Software/Tools**: Jupyter Notebook,VS Code, Google Colab, Power BI, Tableau, Amazon EC2, Amazon AWS, Unity

**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 EngineerJanuary 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 EngineerFebruary 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 InternNovember 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