

# PRASANTA BHATTACHARJEE

## Full-Stack Software Developer

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### PROFESSIONAL SUMMARY

Full-Stack Developer with 6+ years of experience building scalable web systems, APIs, and enterprise platforms using PHP (Laravel), Python (Flask), React.js, MySQL, PostgreSQL, and MongoDB. Delivered production-grade solutions such as job portals, POS systems, and ML-based forecasting pipelines, focusing on performance, reliability, and security.

### TECHNICAL SKILLS

**Languages:** PHP 8+, Python, C++

**Frameworks:** Laravel 9+, CodeIgniter, Flask, React.js, Vue.js, Express.js, Node.js (Runtime)

**Web:** HTML5, CSS3, Bootstrap, Tailwind CSS, jQuery **Databases:** SQL, MySQL, MongoDB, MSSQL, PostgreSQL

**Tools:** Git, GitHub, Bitbucket, CI/CD, cPanel, Docker, Slack, Bluehost, AWS

**Practices:** RESTful APIs, OOP, MVC, Agile/Scrum, Unit Testing, PHPUnit, Design Patterns, DevOps

### WORK EXPERIENCE

#### UI/UX Designer (Self-Initiated Projects) | *Behance — Remote*

January 2020 – December 2023

- Built interactive prototypes and mockups showcasing modern UI/UX practices.
- Designed user-friendly interfaces for web and mobile applications to enhance usability.
- Applied design tools, including Figma, Adobe Photoshop.

#### Senior Software Developer | *Journeymakerjobs — Sylhet, Bangladesh*

June 2019 – August 2022

- Engineered and optimized a large-scale job portal for high performance and scalability.
- Developed secure RESTful APIs in PHP with bcrypt, CSRF, and legacy code stabilization.
- Enhanced system reliability through code optimization, query tuning, and security upgrades.

#### Software Developer | *IT Lab Solutions Ltd — Sylhet, Bangladesh*

April 2016 – May 2019

- Led development of task management and POS systems with full-stack implementation.
- Designed optimized databases and advanced POS features for inventory and finance.
- Improved performance and reliability through Composer migration and query optimization.

### EDUCATION

**M.Sc. in Computer Science** — University of Lethbridge, Alberta, Canada (Awarded February 2025)

**B.Sc. in Computer Science & Engineering** — Metropolitan University, Bangladesh (Awarded June 2016)

### CERTIFICATION & AWARDS

- **Best Paper Award** – 28th Intl. Conf. on Network-Based Information Systems (NBIS-2025).
- [Introduction to Career Skills in Data Analytics](#) – LinkedIn Learning, (2025).

### PROJECTS

- **AI Job Matcher (Ongoing)** – Flask-React app matching CVs to job posts using OpenAI API and MongoDB.
- **Life Story Collector (Ongoing)** – React-Python app generating multilingual autobiographies from interviews.
- **E-Commerce Platform (Ongoing)** – Scalable Laravel-React marketplace with product, cart, and payment integration.
- **Ensemble DNNs for Real-Time Weather Prediction** – Clustered streaming data used to forecast emergency severity.
- **Job Portal** – Multi-module recruitment system built with Laravel/MySQL and MailChimp automation.
- **The Hub** – Real-time project management tool with attendance and email modules (CodeIgniter).
- **Dokani POS** – Retail POS solution integrating sales, inventory, and accounting modules.

**\*\* References available upon request. \*\***