

JOYABRATA MANDAL

Full-Stack Developer

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Location: ThakurPukur Bazar, Kolkata, West Bengal, 700063

OBJECTIVE

Full-stack developer with 2 + years of experience in Python, Django, Flask, AWS and Frontend Technologies. Skilled in building scalable applications and optimizing performance, seeking to contribute technical expertise and grow as a backend and full-stack specialist in a dynamic organization.

TECHNICAL SKILLS

- **Frontend Technologies:** HTML5, CSS3, Bootstrap, JavaScript, Jinja2 Template, DTL, Animation
- **Backend Technologies:** C++, Python, Django, Flask, FastAPI, Google Sheets API
- **Infrastructure & DevOps:** AWS (EC2, S3, CodeCommit), Nginx, Unicorn, SSH, Git and GitHub
- **Data Processing:** Multi-threading, Batch Processing
- **Database:** MySQL, MS-SQL

PROFESSIONAL EXPERIENCE

- **Python/Django Developer** (Jan' 2025 – Jun' 2025)
Company: eWards
Projects:
 - **Finance Management System** (Python | Django | Google Sheet API | Frontend)
 - **File Upload Automation Platform** (Python | Django | MySQL | S3 | EC2 | SSH | Frontend)
 - **Automate File Processing API** (FastAPI | S3 | EC2 | Automation)**Key Contributions:**
Performance & Optimization:
Boosted system efficiency by **30% & 50%** time reduction via API batch processing & multi-threading.
Slashed data correction time **90%** by building one-click failed-entry downloads.
Accelerated vendor updates **40%** through code refactoring.
User Experience:
Fixed **15+** critical UX issues (form hangs, file display errors, validation bugs)
Added failed-entry download feature, automated error logs, and improved file handling.
Extended Flask REST APIs for error tracking and **automated file generation**.
Automated monthly reports saving **2+** hours/day
Infrastructure & Deployment:
Deployed apps using **AWS EC2, S3, Nginx, Unicorn, CodeCommit, and SSH**.
Implemented static IPv4 URLs and secured live deployments for internal finance Team.
- **Python Developer** (May' 2023 – Nov' 2024)
Company: Srishti Technology
Projects:
 - **Billing Web Application** (Python | Django | MySQL | Full-Stack)**Responsibilities:**
Developed secure authentication system with role-based **access control** (admin/user)
Engineered **invoice generation module** with auto-calculation and print functionality
Implemented CRUD operations for product/item **management**
Optimized MySQL ORM Improved data retrieval speed by **40%**, implemented advanced filtering.
Integrated SweetAlert for user-friendly notifications

- **E-Commerce Website (West Bengal Chemicals & Organics)** JavaScript | jQuery | Front-end

Responsibilities:

Designed and developed responsive UI for 5+ critical pages

Implemented product filtering/sorting functionality and detail views

Achieved 95+ Lighthouse performance score

Ensured cross-browser compatibility and mobile responsiveness

Delivered SEO-friendly markup with semantic HTML5

EDUCATION

- **Bachelor of Vocation (Software Development)**
Asutosh College, Kolkata (Calcutta University)
September 2022 – Jun 2025 | CGPA: 7.35
- **10+2 Vocational (Engineering & Technology)**
PCSB, Purnachandrapur, West Bengal
2020 – 2022 | Percentage: 89.80%
- **High School**
Dishari Genius Academy, Kakdwip, West Bengal
May 2020 | Percentage: 62.79%

CERTIFICATIONS

- Certificate in Basic Computer Course and Web Designing (Asutosh College Training Center)
- APLL (Smart Commerce): Advanced MS Office & Tally ERP 9

SOFT SKILLS

- Problem-Solving
- Teamwork
- Analytical Thinking
- Effective Communication

LANGUAGES

- Bengali
- Hindi
- English