Yashvi Agarwal

B. Tech. - Computer Science and Engineering

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EDUCATION

• **Jaypee Institute Of Information Technology**   *Nov. 2021 – June 2025*
Bachelor of Technology in Computer Science – CGPA: 7.7   Noida, U.P.

WORK EXPERIENCE

• **Software Engineer – PayU**   *April 2025 – Present*
Backend Intern   Gurugram, India

- Engineered and optimized **end-to-end UPI flows** (Intent, Collect, AutoPay, Mandates, SI, UPICC/UPICCSI) and delivered **UPICC support for HDFC UPI Autopay**, enabling first-time credit card mandates and improving merchant revenue realization by 10–15%.
- Built **DB-driven systems** to centralize error/status handling and standardize timeout & merchant parameters across PGs, cutting onboarding cycle from 1–2 days to minutes, reducing release effort by 90%, and lowering verify call failures by 25%.
- Monitored and analyzed **UPI transaction flows** (TPS, success rates, failure trends) via Grafana/OpenSearch, reducing issue detection time by 35% and improving resolution efficiency.
- Streamlined **CI/CD pipelines, Git workflows, and deployments**, ensuring zero downtime during rollouts and minimizing conflicts in collaborative development.
- Diagnosed and fixed production issues in distributed systems, achieving a 100% SLA compliance rate through debugging and log analysis.

PROJECTS

• **Cogniscript (MERN Stack, ChatGPT API)**   *Dec 2023 – Aug 2024*
(LIVE)   GitHub

- Developed **Cogniscript**, a React-based application for quiz assessments, enabling educators to create quizzes in under 10 minutes with real-time analytics.
- Integrated **ChatGPT API** for automated grading of subjective answers with 92% accuracy, reducing manual effort by 50%.
- Handled 1,500+ quizzes and **5,000+ responses** in three months, demonstrating system scalability and efficiency.

• **Digital Notice Board Chrome Extension (React.js, Widgets)**   *Jun 2024 – Jul 2024*
(Software Engineer Intern)   GitHub

- Spearheaded development of a Chrome extension integrating widgets such as **Google Slides**, **Pomodoro Timer**, **Music**, **Polls**, **Google Spreadsheet**, and **Google Forms**.
- Achieved a 25% increase in user engagement by centralizing daily productivity tools, improving user experience.
- Implemented optimizations reducing load time by 30%, ensuring fast and efficient access.

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Java, JavaScript, SQL, PHP, HTML, CSS
- **Tools, Frameworks, and Databases**: Node.js, Express.js, REST APIs, MySQL, MongoDB
- **Infrastructure & DevOps**: CI/CD Pipelines, Docker, Git/GitHub/GitLab
- **Monitoring & Analytics**: Grafana, OpenSearch, Redash, Log Analysis, Debugging
- **Payments & FinTech**: UPI (Intent, Collect, AutoPay, Mandates, SI, UPICC)
- **Core Competencies**: Object-Oriented Programming (OOP), DBMS, API Integration

POSITIONS AND ACHIEVEMENTS

• **Solved 360+ problems on coding platforms**, LeetCode, GeeksForGeeks, and more   *Aug 2023 – Present*
Practiced data structures and algorithms by solving 360+ coding challenges, improving logical thinking and coding efficiency.

• **PR Head**, Optica, JIIT Noida   *Feb 2024 – Feb 2025*
Managed public relations activities for Optica, increasing student participation and strengthening community engagement.