Parshant Kumar Singh

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Education

NIT Arunachal Pradesh	**CGPA - 8.16**
Bachelor of Technology in Computer Science and Engineering	*Nov 2022 – May 2026*
A.N. College	**Percentage - 84.4**
Intermediate of Science, Math	*Aug 2020 – Mar 2022*
C.C.S. Sr. Sec. School	**Percentage - 88.4**
10th	*May 2019 – Mar 2020*

Technical Skills

Languages: Java, Python, HTML/CSS, JavaScript, SQL
Frameworks & Libraries : Spring Boot, React, Redux, Bootstrap, Spring Security, Microservices, RESTful APIs
Developer Tools: Git, Postman, JIRA, Docker, Kubernetes, Jenkins, Junit, Mockito
Databases: MySQL, MongoDB
Other Skills: API Documentation (Swagger), Linux, AWS, Design Patterns, Tailwind CSS

Experience

NIT Patna	**Jun 2024 – Jul 2024**
Summer Intern	*Patna, Bihar*

- Developed and implemented a solution using a Top-K High Average Utility Itemset approach to optimize stock portfolio selection.
- Analyzed stock data to identify optimal investment choices, leveraging data mining techniques.
- Gained hands-on experience in algorithm design and financial analytics.

Projects

Shopping Cart System 🔗 | *Spring Boot, Maven, JPA, MySQL* — **Sep 2024**

- Designed and developed a full-featured **shopping cart system** supporting **product catalog management, user authentication, cart operations, and order processing**.
- Implemented **MVC architecture**, organizing the application into **controllers, services, and repositories** for better modularity and maintainability.
- Developed **RESTful APIs** to handle product retrieval, cart updates, and order placement, ensuring seamless communication between frontend and backend.
- Integrated **JPA with MySQL**, optimizing database operations for faster query execution and scalability.

Email Reply Generator using Gemini API 🔗 | *Spring Boot, React, Web Flux,* — **Jan 2025**

- Built an **AI-powered email reply generator** using **Google's Gemini API**, reducing response time by **40%**.
- Designed **scalable REST endpoints** using **WebFlux and WebClient** for efficient asynchronous communication.
- Integrated as a **Chrome extension**, enabling users to generate contextual replies directly within their inbox.

QuizUp - The Best Quizzing Platform 🔗 | *React, Shadcn-UI, ESLint, Chart.js, Animate.css* — **Jan 2025**

- Developed an **interactive quiz platform** with dynamic content, engaging animations, and seamless routing.
- Integrated **Google Translate API** for multilingual support and improved accessibility.
- Designed a responsive UI using **TailwindCSS** and **Shadcn-UI** for enhanced user experience.
- Added interactive charts using **Chart.js** to visualize quiz results effectively.

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Operating System
- Computer Networking
- Software Methodology
- Database Management

Achievements

- Solved **450+** DSA problems (including 250+ Medium and Hard level questions) on **GeeksforGeeks**. 🔗
- Achieved a global rank of **138** and **167** in GeeksforGeeks Weekly Contest 186 and 195 respectively, with a contest rating of **1872** (Level 4), placing in the top **4%** of 33,566 users.
- Solved more than **400+** DSA questions (225+ Medium and Hard Level Questions) on **LeetCode** platform. 🔗
- Selected as one of the top **5000** meritorious students across India for academic excellence for the **Reliance Foundation Scholarship**.
- Completed **Aspire Leaders Program**, a global leadership program by **Aspire Institute**, **Harvard University**, focusing on leadership and social impact.