DEEPA PANDEY

✉ dpandey8102004@gmail.com   in Linkedin   ⟨ LeetCode   ⌘ GeeksforGeeks   ◯ Github

EDUCATION

Uttaranchal University, Dehradun   **2021– 2025**

Bachelors of Technology- Computer Science and Engineering - CGPA - 9.8   Dehradun, Uttarakhand

INTERNSHIPS

Software Engineering Winter Intern at Google | Java and GCP
(Jan 2025- July 2025)

- Enhanced Content Summarization service by integrating dynamic visualization capabilities using Java, Go, Guice, and Protocol Buffers.
- Prototyped visualization service integration in colab, achieving an F1 score of 0.9046 for most suitable NL query for generating visualization.
- Designed a comprehensive project blueprint with LLD and Class diagrams, and drove critical proto changes across multiple services.
- Developed core Visualization service request components (NL query builder, CSV data extractor, Data model generator) and led service integration.
- Optimized performance by implementing parallelization for RPC calls to the Visualization service, significantly reducing latency by 70% after analyzing initial sequential results.
- Conducted thorough end-to-end testing of the visualization ow in autopush environments, creating a comprehensive test sheet across all intent types, and initiated latency analysis for both visualization-enabled and non-visualization scenarios.
- **Optimized application performance** by reducing API response time by 70% through efficient design patterns and caching strategies.
- **Implemented robust error handling and logging** mechanisms to improve system reliability and observability.
- Applied **data structures and algorithms** to solve complex problems in back-end and cloud-based services.
- Organized a team-wide bug bash, driving collaborative efforts to uncover and resolve functional flaws.

Intern At CodeQuotient | Data Structures & Algorithms in C++

(June 2024 – July 2024)

- Completed a 45-day intensive DSA training, mastering key topics like arrays, linked lists, trees, sorting, and searching.
- Enhanced problem-solving skills by 40% through challenging coding exercises.
- Focused on **Data Structures and Algorithms** in C++, enhancing efficiency in problem-solving.

Software Engineer Intern at DAStek Softwares | Coldfusion, WordPress and Database Management

(March 2023 - July 2023)

- Developed web applications using ColdFusion and WordPress, improving website performance by 30%
- Designed and implemented a feedback system, enhancing HR communication by 40%.
- Integrated event and notification features into the salary module, ensuring 100% timely salary notifications.
- Worked with **large-scale, distributed systems** and microservices architecture, improving system reliability and scalability.
- Hands-on experience with **scripting languages** like **PowerShell** and **Python** for automation and deployment tasks.
- Familiarity with **UI development** (HTML, CSS, React) for creating intuitive front-end interfaces.
- Worked on Database Management and Unix/Linux environments, handling back-end integrations and server management.

TECHNICAL SKILLS

Languages: C++, C, SQL, HTML, CSS, OOPs, React JS, DSA in C++.
Developer Tools: VS Code, PyCharm, WordPress.
Coding Platforms: Solved over 500+ coding problems across platforms like LeetCode and GeeksforGeeks.

PROJECTS

Face Guard Attendance| (Github)

(June 2023 – July 2023)

- Technology Stack**:** Designed using Python and PyCharm.

- Face Detection**:** Implemented face detection using OpenCV and face recognition libraries.
- Attendance Automation: Automated attendance marking by recognizing faces in real-time.
- Database Integration: Integrated with a database to store and manage attendance records.

Online BookStore| (Github)

(July 2024– Current)
- Technology Stack**:** React JS and MongoDB.
- Online Bookstore: Built an e-commerce website for buying and browsing books.
- User-Friendly Interface: Built with a focus on easy navigation and a smooth buying experience.
- Powerful Backend: Ensures efficient website operation and data management.

CERTIFICATIONS

- Mastering Data Structure and Algorithms - **Udemy**
- **CoCubes Assessment**: Achieved a strong score of 603/800 in a rigorous test of technical, verbal, and analytical skills, ranking among top performers.
- **Walmart Sparkathon**: Successfully participated in a prestigious hackathon, tackling complex real-world challenges and showcasing innovation and teamwork.
- Certified in **Microsoft Azure Fundamentals (AZ-900)**

EXTRACURRICULAR

Internal Quality Assurance Cell - University Student Representative at IQAC
- Student Advocacy: Represented 5,000+ students in quality assurance discussions at the university level.
- Data Analysis: Contributed to analysing academic performance and student satisfaction data, impacting quality improvements for over 1,000 students.

Computer Science Club – Editor
- Event Coordination: Managed and coordinated 10+ club events, workshops, and seminars, enhancing technical skills for **200+ members.**

Languages

- English: Fluent, able to engage in complex technical discussions**.**
- Hindi: Fluent, able to engage in complex technical discussions**.**