

DEEPA PANDEY

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EDUCATION

Uttaranchal University, Dehradun

2021 – 2025

Bachelor's of Technology- Computer Science and Engineering - CGPA - 9.8 (Till 7th Semester)

Dehradun, Uttarakhand

INTERNSHIPS

SWE At Google | Java, Go, Guice and Protocol Buffers

(January 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 flow in autopush environments, creating a comprehensive test sheet across all intent types, and initiated latency analysis for both visualization-enabled and non-visualization scenarios.
- Organized a team-wide bug bash, driving collaborative efforts to uncover and resolve functional flaws.
- **Presented final project outcomes** in a comprehensive presentation and a dedicated website showcasing the entire winter internship experience and contributions.

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.
- Focused on **Data Structures and Algorithms** in C++, enhancing efficiency in problem-solving.
- Enhanced problem-solving skills by 40% through challenging coding exercises.

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 on **Database Management and Unix/Linux environments**, handling back-end integrations and server management.

TECHNICAL SKILLS

Languages: C++, Java, C, Go, SQL, HTML, CSS, OOPs, React JS, DSA in C++.

Developer Tools: VS Code, PyCharm, WordPress, Cider.

Coding Platforms: Solved over 750+ coding problems across platforms like LeetCode and GeeksforGeeks.

PROJECTS

Online BookStore | [\(Github\)](#)

(July 2024 – September 2024)

- 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.

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.

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.

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.