Hemesh Gupta

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EDUCATION

Birla Institute of Technology and Science (BITS) Pilani, Rajasthan, India *Aug 2020 - June 2024*
Bachelors of Engineering in Computer Science
Relevant Courses: Data Structures and Algorithms, Database Systems, Object Oriented Programming, Computer
Networks, Operating Systems, Theory of Computation, Computer Programming, Logic in Comp. Sci., Principles
of Programming Languages, Compiler Construction, Computer Programming, Foundation of Data Science, Fundamental of Fin
and Acc, Buss Anal and Valuation, Financial Management, Secur Anal and Port Management, Derivative and Risk Management

TECHNICAL SKILLS AND INTERESTS

C/C++, Python, Java, JavaScript, Perl, R, MySQL, MongoDB, React.js, Node.js, HTML + CSS, Flutter, Dart, Docker,
Kubernetes, Git/Github, CI/CD, AWS, TensorFlow, PyTorch, Keras, Scikit-learn, Django, Flask

EXPERIENCE

Software Development Intern, Porter *Jan 2024 - June 2024*
- Developed 5+ new **APIs**, each addressing critical features like cashback, credit/debit transactions, and customer details
- Orchestrated the successful migration of more than 10 APIs from monolith to modern **Kotlin** microservices architecture
- Implemented advanced features of **Ktor** framework and **Dagger** for agile and streamlined API development
- Leveraged a comprehensive suite of **AWS** services and **Datadog** monitoring for enhanced performance and reliability

Software Development Intern, Salesforce *May 2023 - Jul 2023*
- Made an **orchestration engine** for **Tableau server instances** using **Python**, detecting and fixing drift in their configurations
- Automated **GUS story** creation, tagging relevant teams, and sending **Slack notifications** when a drift is detected
- Scheduled running the engine at regular intervals, also added functionality to fix the drift with a single click if needed
- Impact: **5% time savings** for developers testing in the dev environment and **10% reduction** in bugs in higher environments

Software Development Intern, Samsung R&D Institute *May 2022 - Jul 2022*
- Automated **smoke testing** for OneQA portal of Samsung using **Selenium WebDriver** and **Pytest framework** in **Python**
- Developed flexible, parameterized **test cases** with fixtures for comprehensive functionality testing across various scenarios
- Integrated robust **logging** and automated screenshot capture to track test progress and efficiently analyze potential errors

RELEVANT PROJECTS

Google Docs Clone - Web Development *Aug 2022 - Nov 2022*
- Developed a Google Docs clone utilizing React.js and **Quill.js** for frontend, and **Socket.io** and **MongoDB** for the backend
- Enabled collaboration by implementing **real-time**, concurrent document editing for multiple users simultaneously
- Facilitated streamlined document management by providing users with the ability to open and work on various documents

Flash Chat - Application Development *Mar 2022 - Jun 2022*
- Developed a dynamic chatting app using **Flutter** and **Dart**, incorporating animations for an engaging user interface
- Integrated **Firebase Cloud Firestore** as a scalable NoSQL database to enable real-time messaging and data management
- Implemented secure authentication methods using **Firebase authentication** package for enhanced user data protection

POSITIONS OF RESPONSIBILITY

Teaching Assistant - Data Structures and Algorithms course *Jan 2023 - May 2023*
Mentored **300+ students** as a TA for DSA course (CS F211) - BITS Pilani, providing comprehensive support, clarifying
concepts, and ensuring seamless execution of course evaluations for accurate student assessment and growth

Core Member - Google Developer Students Club *Jan 2022 - May 2023*
Pioneered the organization of **tech fests** and **programming competitions** at the BITS Pilani club, orchestrating impactful
events and mentoring juniors to cultivate their growth and proficiency in competitive programming skills

EXTRA CURRICULAR ACTIVITIES

Sudent Mentor : Acciojob
Developed curriculum for teaching **DSA** concepts, fostering student understanding and facilitating **problem-solving skills**, in
an ed-tech startup called Acciojob that provides a learning platform for Data Structures and algorithm and Web Dev

Competitive Programming
Earned a **4-star** rating on Codechef and attained **Specialist** status on Codeforces, reflecting a commitment to advancing
problem-solving skills through dedicated practice and learning

SCHOLARSHIPS

Academic Scholarship | BITS PILANI
Received **40% Merit Scholarship** for the First Semester 2020-21, Second Semester 2020-21, First Semester 2021-22, Second
Semester 2021- 22, followed by **80% Merit Scholarship** in First Semester 2022-23 and Second Semester 2022-23