Biren Prajapati

Roll No.: 2201054
Electronics and Communication Engineering
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EDUCATION

•**Indian Institute of Information Technology, Guwahati** *2022-2026*
Btech - Electronics and Communication Engineering nov'22 - Ongoing

•**St. Anns School Bopal** *2020-2021*
CBSE, Gujarat CGPA/Percentage: 72.8

•**The Nobles School Kherwara** *2018-2019*
CBSE, Rajasthan CGPA/Percentage: 92.8

EXPERIENCE

•**Chinmay Finlease Limited** *May,2024 - July,2024*
Backend Developer Ahmedabad
  – Developed and optimised APIs using Node.js, Express.js and PostgreSQL, improving performance by 30% ensuring data integrity
  – Implemented secure authentication and authorization using Bcrypt and JWT, reducing unauthorized access by 95% and built custom Express.js middleware for logging, authentication, and error handling.
  – Automated 20+ scheduled tasks using node-cron, enhancing operational efficiency by 40%, and deployed containerized applications using Docker for streamlined development and production.
  – Reduced API response time by 25% using Redis for caching and session management, and conducted thorough API testing and debugging using Postman.
  – Extracted data from 1000+ sources using Puppeteer for web scraping, improving data accuracy by 50%.

PERSONAL PROJECTS

•**Socially Connect Application** *Sep'24 - nov'24*
(Database Queries and security enhancement)
  – Tools & technologies used: Node.js, PostgreSQL, Redis
  – Developed and deployed a secure social media application using Bcrypt and JWT, ensuring authentication for 5,000+ users when tested.
  – Implemented a mutual friend algorithm with optimized queries, reducing response time by 30%.
  – Integrated Cloudinary for media storage, optimizing image delivery and reducing storage costs by 20%.

•**Banking Management System** *May'23 - july'23*
Complete transaction Management
  – Tools & technologies used: Flask, MySQL, HTML, JavaScript
  – Developed and deployed a Banking Management System using Flask, MySQL, HTML, and CSS, managing over 1,000 user accounts and processing 500+ transactions daily.
  – Improved API performance by 30% through efficient SQL query optimization, error handling, and data validation, reducing response times and ensuring seamless user experience.
  – Enhanced security by implementing JWT authentication and password hashing, reducing unauthorized access attempts by 95% and ensuring 99.9% system uptime.

TECHNICAL SKILLS AND INTERESTS

Languages:C/C++, Java, JavaScript (ES6+), Python, VHDL, Embedded C, Assembly
Developer Tools and Framework: JWT, Bcrypt, Multer, RESTful APIs, Postman, Node-cron, Puppeteer, TensorFlow.js, Face-api.js, OpenCV, Dlib, Face Recognition, Tesseract OCR, NumPy, Pandas, Docker, Git, GitHub
Coursework: Machine Learning, Artificial Intelligence, Operating Systems, Data Structures and Algorithms(Java), Database Management Systems(MySQL), OOPS, System Design, computer Network
Areas of Interest: Optimising Websites and web Scrapping, Vocalist Singing and Playing Chess
Soft Skills: communication, problem-solving, and critical thinking

POSITIONS OF RESPONSIBILITY

•**Position,** Lead at Tarang Music Club, IIITG *2022-ongoing*

•**Position,** Event Management, IIITG *2023-2024*

ACHIEVEMENTS

•**Achievement** JEE ADVANCED Qualified (under 2% among a million compitetor) *2022*

•**Achievement** secured Rank- 400 in IIsc rank list 2022 among 0.5 million people *2022*