Aayush Anand

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EDUCATION

Birla Institute of Technology, Mesra   May 2026
Bachelor of Technology in Computer Science; CGPA: 7.95/10.00   *Ranchi, Jharkhand*
- **Relevant Coursework:** Data Structures and Algorithms, Database Management System, Operating Systems, Object-Oriented Programming

EXPERIENCE

Resolve Tech Solutions   May 2024 – July 2024
Software Engineer Intern   *Remote – Bengaluru, Karnataka*
- Revamped critical components of **7Eleven**'s web portal using React.js, enhancing the user interface and increasing average session duration by over 5 minutes for **10,000+** daily users.
- Collaborated with cross-functional teams to implement a robust API integration strategy, which optimized data flow and increased data retrieval speed, positively impacting service delivery for over **500** end-users.
- Developed and deployed predictive models analyzing user behavior and market trends, yielding actionable insights for clients and streamlining decision-making, impacting over **50%** projects last quarter.
- Implemented advanced Python coding techniques for machine learning models, achieving a **35%** increase in prediction accuracy and a reduction in development cycles, enhancing project throughput and quality assurance.

PROJECTS

Chat-a-BIT | *HTML, Tailwind CSS, JavaScript, React, MongoDB, Express, Node.js, Socket.IO, JWT* Link | GitHub
- Developed a robust chatting platform for BIT Mesra students with real-time communication using Socket.IO; achieved consistent uptime of **95%**, ensuring reliable service access for users.
- Designed a fully responsive application, leading to a **40%** increase in cross-platform compatibility and a **25%** boost in user engagement through targeted performance optimizations and UI enhancements.

Voyage Villas | *HTML, CSS, JavaScript, MongoDB, Express, Node.js, EJS, Passport*
- Created the Voyage Villas travel booking website, implementing advanced optimization techniques that enhanced customer satisfaction scores by **25%** and resulted in a **20%** increase in overall user engagement.
- Integrated EJS for server-side rendering, improving overall application performance and decreasing page load times by **30%**, leading to a more engaging user experience across all platforms.

Personal Website | *HTML, Tailwind CSS, JavaScript, React.js*   Link | GitHub
- Created a fully responsive personal website, improving performance by **35%** and reducing page load times by **50%**.
- Developed advanced client-side rendering with React.js, facilitating smooth, animated transitions, and increasing application responsiveness, directly boosting satisfaction metrics.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++
- **Web Development:** React.js, Next.js, Node.js, Tailwind CSS, Bootstrap, Express.js, RESTful APIs, Socket.IO
- **Tools & Frameworks:** Git, GitHub, Linux, Mongoose, NumPy, Pandas, Matplotlib
- **Databases:** MongoDB, SQL, PostgreSQL, MySQL, Oracle Database
- **Machine Learning Concepts:** Linear Regression, Logistic Regression, Supervised Learning

ACHIEVEMENTS & CERTIFICATIONS

- Top 3% in JEE Main-2022 among 9,00,000+ candidates
- Runner-up in Data Hunt organized by the Society for Data Science
- Supervised Learning, Stanford University (Coursera)

POSITIONS OF RESPONSIBILITY

Webmaster: Rotaract Club of BIT Mesra
Executive Member: Society for Data Science, BIT Mesra
Programming Team Member: Google Developer Student Clubs, BIT Mesra
Member: Student Alumni Relations Cell, BIT Mesra