Abhishek Pal

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Github | Portfolio | Linkdin

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.56 (Current)	2021-Present
Senior Secondary	CBSE Board	94.8%	2020
Secondary	CBSE Board	93.2%	2018

EXPERIENCE

- **Curiosify** *August 2024 - Present*
  SDE Intern
  - Leading platform development with **React** and **Flask**, targeting a 30% boost in user engagement.
  - Enhanced code quality and reduced bugs by 40% through best practices in testing and deployment
  - Integrated generative AI features with a team of 4, improving platform capabilities by 25%
- **Bluestock Fintech** *July 2024 - August 2024*
  SDE Intern
  - Spearheaded a team of 5 in the development of a sophisticated **IPO web application**.
  - Engineered over 15 **RESTful APIs** using **Django** and **Django REST Framework**, boosting **functionality and scalability by 30%**.
  - Administered **PostgreSQL** database operations, maintaining **data integrity** and **enhancing performance**, leading to a **25%** improvement in query efficiency.

PROJECTS

- **Ecommerce Website** *May 2024 - Present*
  self project Live | Github
  - Built a fully responsive e-commerce website using the **MERN stack**, achieving **100%** cross-browser compatibility.
  - Enhanced website performance, achieving a 30% faster load time across major browsers.
  - Applied responsive design techniques, ensuring seamless operation on over **4** different device sizes and screen resolutions.
- **Code Editor** *April 2024*
  self project Live | Github
  - Developed a web-based code editor inspired by CodePen using **React.js, Material UI, and CodeMirror**.
  - Created a responsive user interface to write, edit, and preview HTML, CSS, and JavaScript code in real-time.
  - Integrated CodeMirror for syntax highlighting and real-time code rendering.
- **Algorithm Visualizer** *Jan 2024 - Feb 2024*
  self project Live | Github
  - Developed a **React.js** based web application to **visualise graph algorithms** like **A*** and **Dijkstra**.
  - Implemented features like moving start and end points and adding weighted nodes and walls across a grid of 12 rows and 45 columns.

TECHNICAL SKILLS

- **Programming**: Python, C, C++.
- **Web technologies**: HTML, CSS, JavaScript, React.js, Node.js, Bootstrap, Material-UI.
- **Database management**: MySQL, MongoDB, PostgreSQL.
- **Frameworks**: Express.js, Django, Django REST Framework.
- **Operating Systems**: Windows, Ubuntu*.
- **Tools and Others**: VS Code, MS Excel, PowerPoint, AWS.

KEY COURSES TAKEN

- **Mathematics**: Linear Algebra, Real Analysis, Advanced Calculus, Complex Analysis.
- **Computing**: Introduction to Computing, Computing Lab.
- **Web Course**: GFG:Data Structures and Algorithms, Web Development.

ACHIEVEMENTS

- **Unstop Talent Park** Among top 250 selected students out of 80,000 participants. *2024*
- **JEE Advanced 2021** Secured among the top 1 percent among 0.25 million canditates. *2021*
- **JEE Mains 2021** Secured among the top 1.3 percent among 0.95 million canditates. *2021*
- **JNV Entrance Exam 2013** Obtained the National Education Fellowship schlorship for 7 year free education by securing a position in top 80 among 8000 candidates. *2013*

EXTRACURRICULARS

- **Science Exhibition Project 2019:** Directed a team of three in a science exhibition project that advanced to the state level.
- **Volunteer Tutor, Nearby Government School:** Provided free tutoring to around 20 junior students from a nearby government school during the lockdown period.