

Vipul Kumar

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OBJECTIVE

Dynamic and results-oriented full-stack engineer eager to leverage technical expertise in delivering high-quality code. Seeking a dynamic role where I can utilize and enhance my skills while making meaningful contributions to the organization's goals and objectives.

EDUCATION

Techno International New Town <i>B.Tech in Computer Science, MAKAUT (8.76 CGPA)</i>	Kolkata, West Bengal 2017 - 2021
Chandra Public School <i>Senior Secondary, CBSE (71%)</i>	Mau, Uttar Pradesh 2014 - 2016
SMT Ramrati Devi Senior Secondary School <i>High School, CBSE (8.8 CGPA)</i>	Mau, Uttar Pradesh 2012 - 2016

SKILLS

Languages: Java, JavaScript, TypeScript, Python
Frontend: HTML, CSS, React, Material UI, Tailwind, Bootstrap
Backend: Node JS, Express, Flask
Database: MySQL, MongoDB
DevOps: Docker, Nginx, Gunicorn, Git/GitHub
Cloud: AWS, Azure
Methodologies: Data Structures and Algorithms, Agile
Technologies: Backstage.io, Blockchain
Operating Systems: Mac, Linux, Windows

WORK EXPERIENCE

- | | |
|---|---|
| Software Engineer
<i>Tata Consultancy Services (client Apple)</i> | August 2021 – Present
<i>Bangalore, India</i> |
| <ul style="list-style-type: none">Built and shipped a powerful Developer tool using Backstage (Node.js, React, TypeScript, Yarn); led to a centralized software catalog, restored order to our infrastructure, and enabled the team to ship high-quality code quickly – without compromising autonomy.Developed and fixed multiple features by working closely with the Apple team.Worked in an agile team; Resolved 50+ features/issues.Analyzed and implemented the LDAP implementation for fetching user information from the Apple Directory.Set up GitHub App to integrate Backstage to read/publish repositories.Created a File Monitoring Tool from scratch. Identified the issue and devised a solution using Python, which made the project viable; resulting in the client proceeding with the project.Organized Information Security events consisting of 150+ people. | |
| Web Developer Intern
<i>Venuefy</i> | March 2020 – Dec 2020
<i>Kolkata, India</i> |
| <ul style="list-style-type: none">End-to-end Development and deployment of B2C Cross-Platform website. | |

- Analyzed options for website development and recommended React for Frontend, Express/Node.js for Backend, MongoDB for Database, and AWS for deployment/cloud services; Implementation resulted in a 300%+ rise in customers.
- Involved in the hiring process and shortlisted 100+ people, interviewed more than a dozen, and hired 3 people.
- Worked closely with the Board members and orchestrated the team's efforts to develop the website; resulting in increased users, sales, profits, and cost savings.
- Other works:
 - Automated Agreement Form by developing an API using Flask which gets triggered on form submission and then generates an Agreement Form on the server side; resulting in reduced load, manual work, and onboarding.
 - Developed an OTP-based user authentication system reducing fake data by 90%.

PERSONAL PROJECTS

Bird Species Recognition System | *React, Flask, AWS, Unicorn, Nginx, Deep Learning*

- Identify bird species from provided images with an accuracy rate of 98%.
- Integrated an inbuilt Wikipedia scraper to provide additional information about recognized bird species.

Web-to-Mobile | *Node.js, Express, AWS*

- Enable users to send messages from websites to designated mobile numbers.
- Showcased versatility in developing cross-platform communication solutions.

Blog | *Node.js, Express, JavaScript, MongoDB, Semantic UI, AWS*

- Designed and developed a fully customizable cross-platform blog website from scratch
- Demonstrated expertise in front-end and back-end development and deployment on cloud platforms.

Expense Tracker | *React, HTML, CSS, JavaScript, AWS*

- Crafted a simple yet effective static website using React and deployed it on AWS to track yearly expenses.
- Demonstrated proficiency in React development and deployment on cloud infrastructure.

CERTIFICATIONS

- [Microsoft Certified: Azure Fundamentals AZ-900](#) Certification Issued by Microsoft
- [Design and Analysis of Algorithms](#) with Elite certificate Issued by NPTEL(Gov. Of India)
- [Programming, Data structure, and Algorithms using Python](#) with Elite certificate Issued by NPTEL(Gov. Of India)
- [Python for Data Science](#) Certification Issued by IBM
- [Introduction to Git and Github](#) Issued by Google
- [The Web Developer Bootcamp](#) Issued by Udemy
- [Blockchain A-Z](#) Issues by Udemy
- Code-elite Hackathon | 18-hour-long hackathon organized by Virtusa | Runner-up | Developed an Android Application to find the current weather information

AWARDS

- 7 times "On the Spot Award" for exceptional skills & critical thinking during a project's difficult time.
- "(S)miles Award" for beyond performance in contribution, assistance, and support.
- "Contextual Master Award" for Excellence and outstanding contribution.