Amit Vishwakarma

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Summary

- **4.5+ years** of work experience as a full-stack developer.

- I have hands-on experience of building end-to-end systems including mobile apps, front-end and back-end in **Node.js**, **React.js**, **Java**, and **Python**.

- Proficient with Data Structures, Algorithms, and other CS Fundamentals.

- Interests: Software Development, Web-Scraping, Hacking, and Machine Learning.

Education

Degree/Std.	University	Institute	Year	CGPA/%
B.E. (IT)	RGPV Bhopal	Oriental Institute Of Science and Tech., Bhopal	2017	7.3/10
12th	MPBSE Bhopal	Govt. School of Excellence, Sagar	2012	72%
10th	MPBSE Bhopal	Govt. School of Excellence, Sagar	2010	86.5%

Work Experience

- **Software Development Engineer II at Safe Security, Bengaluru**　　　　　　　　**[Oct'21 - Jun'22]**
    - Worked as **Javascript** full-stack developer. Enhanced performance and scalability of *safeme.ai*, a multi-tenant serverless microservice.
    - Implemented low-latency data streams to synchronize data from a single-table architecture in **DynamoDB** to **MySQL** for on-demand queries.

- **Software Engineer at Snapwiz Inc., Bengaluru**　　　　　　　　**[Jan'18 - Sep'21]**
    - Worked as **MERN** full-stack developer on *Edulastic* project, a Learning Management System primarily used in the USA by over **21K** schools and colleges.
    - Designed and developed various key features, subscriptions and payment management, text to speech, curriculum sequence and reports for *Edulastic-v2* in **Node.js** and **React.js** in a serverless restful environment.
    - Developed tools to migrate users from other LMS e.g. *Canvas, Clever, Google Classroom* to *Edulastic* and keep posting their activities on the original platform, this allowed to gather new users in large numbers.
    - Implemented bubble-sheet scanner using **OpenCV** with **Python** and **C++** to automate ORM sheets scan, which helps teachers to see student's scores directly in the application.
    - Undergone 3 months of training on **Spring MVC, Hibernate, Mongodb, Redis** and **Backbone.js**. Worked as full-stack java developer, monitoring performance and optimization for web application for a year and maintained **Snapscore** bubble-sheet scanner mobile application.
    - Awarded with **Appreciation Award** twice for delivering quality products and extra efforts to make the application stable consistently.

Projects

- **Android App to Get Real-time College Bus Routes and Timings** *Final Year Project*
    - Bus routes and schedules were dynamic and used to change daily, hence it was difficult for students to know which bus to board and when.
    - Using this app bus operator can update routes and timings and students can get accurate and real-time information on buses.
    - Technologies Used: *Android, MySQL, PHP, EC2(AWS)*

- **SpiderChef**
  - Flask app to scrap user's solutions from CodeChef.
  - Technologies Used: *Python, Flask, BeautifulSoup*

- **IoT Application to Control Electrical Devices Using Mobile Phone**
  - Developed an Android app to control electrical devices using a phone during a competition on IoT and won 2nd prize.
  - Technologies Used: *Android, Arduino Uno Board*

- **Built Remote Controlled Quad-copter for Demonstration in a National Exhibition at MANIT, Bhopal**
  - Assembled various components i.e. Flight Controller, Radio Transmitter and Receiver, Electronic Speed Controller, etc.

Awards and Achievements

- Earned **Appreciation Award** twice at Snapwiz during H1 - 2018 and 2019.

- Secured **First rank** in college in the online round of ACM-ICPC Asia Amritapuri site 2015.

- Secured **Eleventh rank** in the second round of TCS CodeVita 2016 Mumbai regional.

- Won **Second Prize** in an IoT competition conducted by Innovians Tech. in association with IIT, Varanasi.

- Won **Second Prize** in Shooting Sport at NCC CAMP, Rewa.

Technical Skills

Programming Languages	:	*C, C++, Java, Python,Typescript, Javascript, HTML*
Mobile Platforms	:	*Android*
AWS	:	*EC2, S3, SQS, Lambda*
Databases	:	*MySQL, Redshift, MongoDB, Redis, DynamoDB*
Search Engine	:	*Elasticsearch*
Frameworks	:	*Spring, Hibernate, Node.js, Express.js, React.js, Backbone.js, Flask*

Relevant Online Profiles

Codechef	https://www.codechef.com/users/amitvishw
HackerRank	https://www.hackerrank.com/amitvishw
GitHub	https://www.github.com/amitvishw

Extra Curricular Activities

- Organized a camp in college to advertise ACM-ICPC with the help of CodeChef.

- Co-organized Android workshop in the department at college.

- Earned NCC (National Cadet Core) *'A' Certificate* during school.

- Participated in Digital India Hackathon.

- Participated in the national symposium on Innovative and Futuristic Approaches in Science and Technology(i-FAST) at MANIT, Bhopal.