Shubham Pal

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EXPERIENCE

AMAZON | Software Development Engineer
July 2021 – present | Hyderabad, Telangana
- Working on **low latency web applications** that provide smooth seller experience from on-boarding to verification via video-calls (InPV) on Amazon Seller Central to sellers worldwide.
- Created **data-ingestion Andes pipelines** that publish business metrics to BA/Product teams.
- Launched educational videos and string translations on Amazon SeCe webpages in 14+ languages.

AMAZON | Software Development Intern
May 2020 – July 2020 | Hyderabad, Telangana | Link | Offered PPO

- Created an instant **video-calling application** that connects a customer to an Associate on a video-call using Amazon connect APIs and Chime Web SDK.
- Integrated the Amazon **Lex chat Bot** to the AWS Lambda functions and enabled **live voice recognition** in a toll-free no. through which a customer can schedule a meeting using Amazon Connect.

ZENITH - THE PROGRAMMING CLUB OF MANIT
Co-founder and Mentor | Link
Sept 2019 - Nov 2020 | Bhopal, MP
- Conducted regular classroom teaching sessions, online coding competitions and video-tutorials for my juniors at NIT-Bhopal on data structures and Algorithms, competitive programming, Android application development, ACM-ICPC, etc.
- Received **Letter of recommendation**(*Link*) from Dean Academics, MANIT for showing exemplary managerial and technical skills

PROJECTS

WINNER - AMAZON CTPS HACKATHON : BLOCKING BAD ACTORS TO ONBOARD ON AMAZON USING INSTANT FACE VERIFICATION BASED ON RISK-SCORES | Jan 2022 | HYD, IN | Demo Link
- Secured **Rank-1 out of 53 teams** in Amazon's Org Level Hackathon.
- Triggered instant face verification(IFV) for launched sellers using Amazon **rekognition** based on risk-scores: Change of seller device, current location and dormant accounts.
- Created full-stack webapplication (POC) using API gateways, AWS lambda, DynamoDB, ReactJS, NodeJS and python.

DE-CENTRALIZED VOTING SYSTEM USING AWS AND BLOCKCHAIN | Jan 2021 - Apr 2021 | Major Project
Mentored by Prof. Dr. Vasudev Dehalwar
- Created a web-application that simplifies the election process by providing multiple levels of security via OTP, Biometrics and etherium-based blockchain network.
- Used AWS lambda, DynamoDB, web3.js, AWS SES to render the back-end requests and also simplifies the result process.

EDUCATION

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL
B-Tech in Computer Science (Link)
July 2017 - APR 2021 | Bhopal, MP
Cum. GPA: 9.32/10 | Dept. Rank - 6/180

GGPS - SECTOR 5
XII CBSE Boards
APR-2016 | Bokaro, Jharkhand

percentage : 94.80

SKILLS

PROGRAMMING
- C/C++ • Python* • Java

WEB
- JavaScript • jQuery • Node.js*
- React.JS*

DATABASE
- MySQL • DynamoDB • MongoDB

ML/DL
- Regression • KNN • SVM* • Neural Networks - CNN*, RNN*
Elementary

TECHNOLOGY
- Git • AWS • CI/CD Pipelines • UNIX*
- VS Code, Spyder, IntelliJ IDEA

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms • Operating System
Computer Networks • DBMS • AI/ML

ACHIEVEMENTS

- Got Certificate of Merit by the DIRECTOR,MANIT for getting **highest CGPA in the first year of 9.87**
- Cleared the **SSB interview of INDIAN NAVY** in first attempt and got recommendation to **INDIAN NAVAL ACADEMY**
- Got International rank of **3626** in round 1A of **Google CODEJAM(2020)**
- Got Global Rank of **1866** in round D of **Google Kickstart(2019)**
- Got top ranks in various Programming contests like **codechef, codeforces, ACM ICPC, SNACKDOWN**, etc.