

Naveen Kumar

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EDUCATION

IIIT VADODARA

BTECH IN COMPUTER SCIENCE AND
ENGINEERING
2022 | CPI: 8.95

LUCKNOW PUBLIC SCHOOL

CLASS 12 | CBSE
2017 | 88.8 %

SJS PUBLIC SCHOOL

CLASS 10 | CBSE
2015 | CGPA: 10

LINKS

Codechef:// [naveen19991124](#)
Github:// [naveen19991124](#)
LinkedIn:// [Naveen Kumar](#)
Codeforces:// [naveen19991124](#)
Leetcode:// [naveen19991124](#)

ACHIEVEMENTS

- **ICPC Regionalist 2020:** Qualified for Asia-Amritapuri Regionals 2020 with an **AIR of 145** out of 3505 teams.
- **Google Hash Code 2021:** Secured **AIR - 281** with **9,335,469 points**.
- **Facebook Hacker Cup 2021:** Qualified till **Round 2** and secured a **Global rank of 943(India Rank: 69)** among 34,585 participants
- **Google Kickstart:** Secured **Global ranks of 189 and 435** in **Round F(2021) and D(2021)**.

PROJECTS

E-COMMERCE WEB APPLICATION |

AN E-COMMERCE WEBSITE USING
JAVASCRIPT, NODEJS, SEQUELIZE AND
REACT.JS | [DEMO](#) | [GITHUB LINK](#)

- Provided basic features of **selecting products in different categories** and **placing orders** and offered a **virtual payment system** (Using STRIPE)
- Database built using techniques like normalisation, indexing.

SKILLS

- Javascript • Typescript • Node.js
- React.js • AWS • SQL • C++

EXPERIENCE

AMAZON | SDE I

July 2022 - Present | Bangalore, INDIA

- Implemented the frontend and backend of Stow Planner that provides the warehouse managers with a **heat map visualisation of the warehouse space consumption** and **get detailed data of available and occupied space in real time** for different storage containers.
- Identified possible root causes of increasing memory utilization for Fargate-based backend ECS services and **optimized the memory utilization from 75% to 30%**.
- Built the **design and tech strategy for Feature Gating and Experimentation(A/B Testing)**, that allows teams to independently develop, experiment on a set of defined metrics and release new features to customers.
- Created a package holding configurations for AWS accounts, micro-frontend registrations, layouts and production readiness mappings **eliminating code redundancy across different packages and efforts on multiple code reviews across different teams**.
- Identified and contributed to Amazon's internal **frontend(2 potential bugs) and monitoring libraries(1 potential bug)**.

AMAZON | SDE INTERN

Jan 2022 - June 2022 | Bangalore, INDIA

- Collaborated with US team of 15 folks to **build and deliver the frontend of the product, based on a micro-frontend architecture and perform API integrations** that helps associates at distribution centers to easily research, update and delete the items from inventories.
- Worked on different AWS services like CloudWatch, CloudFormation, Cloud9 to **build monitoring dashboard for backend services** through AWS CDKs.
- Worked on production readiness tasks i.e identifying and fixing **frontend bugs, issues related to mappings with API Gateway and Cloudfront** which helped in successful launch of product in Distribution Centers.

MATHWORKS | SDE INTERN

May 2021 - July 2021 | Bangalore, INDIA

- Worked upon creating a **Platform Testing App** for Windows OS responsible for running tests of all the MathWorks products(used by **5,000,000+ users**) and generating reports of crash logs.
- Redesigned the app architecture and provided **automation for running tests** through batch scripting and shell scripting in Linux environment.
- Improved the overall performance of the app by **approximately 3 times** by eliminating unnecessary network calls.

CODING NINJAS | PROBLEM SETTER INTERN

Jan 2021 - Jan 2022 | Remote

- Worked as a problem setter intern and developed **content and problems for 2 courses based on Data Structures and Algorithms**.
- Worked as **blog manager**, led a team of 15 folks to create blogs on CS fundamentals.

POSITIONS OF RESPONSIBILITY

- **Problem Setter** for institute's coding contests.
- Helped in **organising coding competitions** in Institute.