

# Prachir Agrawal

prachir1501@gmail.com | 88266-78228

## EDUCATION

### IIT BHILAI

B.TECH IN COMPUTER SCIENCE  
Cum. GPA: 8.91/10  
2019-2023

## LINKS

LinkedIn: [Prachir Agrawal](#)  
Leetcode Handle: [prachira](#)  
Codechef Handle: [prachir](#)  
Github: [prachir1501](#)

## SCHOLASTIC ACHIEVEMENTS

Solved 940+ problems on Leetcode  
Problem solving streak of 604\* days on Leetcode

Max Rated - 1915 (4 star) Codechef  
Rank 169 among 2320 participants  
Codechef CODERS 2021

Rank 275 among 2665 participants  
Codechef Starters 19

Winner of the Grand Finale  
Smart India Hackathon (SIH) 2022

AIR 4653 (Top 2.89%) JEE Advanced 2019

AIR 5803 (Top 0.48%) JEE Main 2019

NTSE Scholar (Top 0.08% among 9 lakh students) 2017

## SKILLS AND INTERESTS

### WORKING KNOWLEDGE

Python3 • JavaScript •  
React • NodeJS •  
Redux • Redux Toolkit •  
Jenkins • AWS •  
Docker • SQL •  
GraphQL • Django •  
MS Azure • Typescript •  
Websockets • MongoDB •  
Phaser Game Engine •  
Kusto Query Language •

### INTERESTS

Machine Learning • Blockchain •  
Database Scaling • Cloud Computing •  
Internet of Things • Big Data Analytics •

## WORK EXPERIENCE AND INTERNSHIPS

### UNIFE | FOUNDING SOFTWARE ENGINEER

September 2022 - November 2023 | Remote

- Implemented the core UI functional components for Employer Dashboard Web-app, using React and Redux.
- Integrated authentication flow from scratch for Employer Web-app, making use of AWS Cognito.
- Created and deployed low-latency (~50ms) serverless backend API services, with the help of AWS Lambda and AWS API Gateway.
- Enabled CI/CD pipelines and managed hosting of Employer Web-app via AWS Amplify.
- Devised ETL Pipelines from scratch for Business Intelligence, using AWS Athena, Metabase, MongoDB Aggregation Operations and Python.

### MICROSOFT RESEARCH | RESEARCH INTERN

April 2023 - June 2023 | Remote

- Crafted dynamically located and interactive UI components, using React, Typescript and MS Azure Face Detection APIs.
- Improved the code logic which glued the existing UI elements, and websocket based backend server.
- Enhanced user tracking from the UI, and derived user analytics using Kusto Queries.

### SHIPSY | SOFTWARE ENGINEER INTERN

May 2022 - July 2022 | Remote

- Automated the deployment and UI testing of 4 frontend repositories at once, by leveraging use of Python and Jenkins.
- Implemented a script to notify about crashing containers and services from a pool of 100+ services deployed on AWS ECS, in real-time, and displayed their logs in Slack channels via Slack API.

### NEWZERA | SOFTWARE ENGINEER INTERN

May 2021 - July 2021 | Remote

- Created reusable and functional UI components, and improved the overall code structure, using React Native. (for Mobile App Team)
- Enhanced unit tests for UI components and achieved more than 95% test coverage for every test file. (for Mobile App Team)
- Created a flow to fetch real-time data from AWS servers by integrating GraphQL APIs using Apollo Client. (for Mobile App Team)
- Implemented an ElasticSearch based logic to predict the cluster of an unindexed news article, and improved it using information retrieval algorithms. (for ML Team)

### ONENINE.AI | FULL STACK DEVELOPER INTERN

March 2021 - August 2021 | Remote

- Designed APIs to create and train machine learning models, provided a mechanism for user to use the predictions from the generated model, making use of Django REST frameworks.
- Enabled asynchronous task management using Celery Queue and Redis task broker.
- Improved and automated the deployment of a SaaS web-app using AWS EC2 and RDS, enabled CI/CD pipelines for automation.

## NOTABLE PROJECTS

### IOT DASHBOARD | [GITHUB](#)

January 2021 - February 2021

- Created a Dashboard to provide real-time information about various deployed IoT devices, analyse the data from their sensors, and remotely access their respective actuators, by utilizing MERN stack.