

AKHAND PATEL

✉ theakhandpatel@gmail.com | 📄 theakhandpatel | 🌐 theakhandpatel | 🌐 theakhandpatel.me

Education

M.Tech in Computer Science and Engineering

Aug 2021 - Present

Indian Institute of Technology Bhubaneswar CGPA:8.07/10.00

Odisha, India

Coursework: Cloud Computing. Network Systems and Security. Advanced Algorithms. Software Engineering. Software Testing and Verification. Digital Forensics.

B.Tech in Computer Engineering

September 2016 - August 2020

Babasaheb Bhimrao Ambedkar University, Lucknow CGPA:7.2/10.00

Uttar Pradesh, India

Coursework: Operating Systems. Compilers. Computer Networks. Algorithms. Theory of Computation. Database Management Systems, Web Engineering

Training and Projects

REDIS CLONE | Go

- Developed a concurrent Redis server in Go language with basic Redis commands support.
- Implemented synchronization mechanisms using locks to prevent race conditions when accessing data storage.
- Supported expiration time for keys, enabling time-based data expiration and automatic key removal.

IMAGE STORAGE SERVICE | React

- Programmed highly scalable and low cost solution to store user photos in cloud.
- Implemented Authorization and Albums Feature to store images in a systemized manner

COAP RESULTS UPLOAD TRACKER | NodeJS

- Developed script that emailed user whenever coap.iitd.ac.in uploaded counselling round results.
- Used SendGrid Mail Service to inform users through email

CRYPTOCURRENCY PRICE TRACKER EXTENSION | Chrome v2 Manifest

- Developed chrome extension that allows users to set up alarms on specific crypto prices.
- Added Features like Multiple CryptoCoins Support, Various Currency, Multiple Trackers simultaneously

PERSONAL CLOUD STORAGE | React

- Formalized Directory-Based Storage and Authorisation using G-Auth to facilitate faster login by 50%.
- Engineered using ReactJS, BootStrap on frontend and Firebase as backend.

Experience

Indian Institute of Technology Bhubaneswar

Bhubaneswar, India

Teaching Assistant, Computer Science and Engineering

Aug 2021 - Present

- Guided 120+ students in programming and data structures and graded problem sets.
- Maintained weekly office hours and doubt-solving sessions for 25+ students.

Centre of Science and Technology

Uttar Pradesh, India

Technology Intern

July 2019 - August 2019

- Revamped a productivity add-on for internal systems to accelerate review process by 20%.
- Reviewed 15+ projects and interviewed 30+ applicants to be shortlisted for grants.

Technical Skills

Certifications/Training: Summer training in Android Development

Languages: C, C++, JavaScript, NodeJS, HTML, CSS, Golang

Developer Tools: Visual Studio Code, Google Colaboratory

Technologies/Frameworks: Git VCS, Linux, GitHub, ReactJS, ExpressJS, Firebase, MongoDB, Solidity

Achievements / Extracurricular

- Student Placement Coordinator M.Tech C.S.E. | IIT Bhubaneshwar 2022-2023
- Solved more than 250 problems on various platforms combined like LeetCode, GFG and others. April 2022
- Technology Advisor for NGO. | *Amicus Homines* . May 2021
- Qualified GATE twice with recent rank 1089 with a percentile greater than 98%. April 2021