

AKHAND PATEL

☎ +91 8449222380 | ✉ 21CS06001@iitbbs.ac.in | 💻 akhandpatel | 🌐 akhand3108 | 🌐 akhand3108.github.io

Education

M.Tech in Computer Science and Engineering

Aug 2021 - Present

Indian Institute of Technology Bhubaneswar CGPA:8.14/10.00

Odisha, India

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

B.Tech in Computer Engineering

September 2016 - August 2020

Babasaheb Bhimrao Ambedkar University, Lucknow Division: First class

Uttar Pradesh, India

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

Training and Projects

Similarity Index between documents | Dr M.Satpathy

March 2022

- Developed program to calculate similarity index between text documents, with increased accuracy of 40%.
- Implemented n-gram based plagiarism detection of text documents based on reference corpus.

Invisible Digital Watermarking | Dr M.Satpathy

February 2022

- Formulated DCT domain watermarking technique of digital images with PSNR greater than 90%.
- Achieved invisible watermark image embedding in the digital media formats.
- Increased fault tolerance against various types of attacks by 40%.

Personal Cloud Storage Solution | HOSTER

May 2021

- 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.
- Deployed using CI/CD between GitHub and Netlify to improve build time by 25%.

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

Developer Tools: Visual Studio Code, Google Colaboratory

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

Achievements / Extracurricular

- 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