

Alok Kumar

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EDUCATION

IIT JODHPUR

B.TECH IN COMPUTER SCIENCE
Oct 2021 | Jodhpur, India

BIHAR SCHOOL EXAMINATION BOARD

HIGHER SECONDARY
May 2016 | Bihar, India

BIHAR SCHOOL EXAMINATION BOARD

SECONDARY
May 2014 | Bihar, India

COURSEWORK

COMPUTER SCIENCE

Computer Programming
Object Oriented Analysis & Design
Data Structure & Algorithm
Software Engineering
Theory of Computation
Operating Systems
Algorithm Design & Analysis
Computer Design
Artificial Intelligence
Computer Network
Database System
Computer Graphics
Digital Image Analysis
Linear Algebra & Calculus Complex
Analysis & Differential Equation
Probability Statistics & Random Processes
Discrete Mathematics
Compiler Design
Data Communication
Security and Applications
Vehicular Adhoc Network

SKILLS

PROGRAMMING LANGUAGES

Over 50000 lines:

• Java • C • Python • Xilinx

Over 100 lines every day:

C++ • CSS • JavaScript • HTML

Familiar:

AWS • iOS • Android • MySQL

FRAMEWORK

Over 50000 lines:

• Angular CLI • React JS

MACHINE LEARNING

• OpenCV • numpy

PROJECTS

CLASSIFICATION PROJECT USNG MACHINE LEARNING

|| B-TECH PROJECT ||

Feb 2019 – Apr 2019 | Guide: DR. Subhajit Sidhanta

- Classification of 3 sets of flower using machine learning.
- dataset provided from 150 training examples.
- Obtained higher accuracy by modifying Unet architecture.

INDOOR LOCALIZATION SYSTEM

|| B-TECH PROJECT ||

Feb 2021 – Apr 2021 | Guide: DR. Anand Mishra

- Built an Android Application to identify location of a user indoors using WiFi and Bluetooth.
- Used Fingerprinting and Signal based methods to calculate the coordinates of user. Improved the battery performance of smartphone compared to the previously used GPS.

THE TALKER

CODE FUN DO || MICROSOFT HACKATHON

Jan 2018 – Feb 2018

- Work in time to build a android app.
- Build an app named " THE TALKER" to help differently abled people in communication using google text to speech module.

EXTRACURRICULAR

ASSISTANT-HEAD OF CULTURAL

Feb 2019 | ALL CULTURAL Events, Ignus

- Helped organize cultral events on Ignus.
- Head of video editing and photoshop.
- Footballer,Online gamer
- Football Club Vice Captain
- Designing(Photoshop)

EXPERIENCE

BELZABAR SOFTWARE DESIGN | SOFTWARE ENGINEERING INTERN

Sep 2021 – Nov 2021 | New Delhi, India

- Developed transaction-related front-end features in Angular, enhancing user interaction and experience.
- Created a backbone.js-like framework for the purchasing site like Paytm Mall.

BELZABAR SOFTWARE DESIGN | COMPUTER SCIENTIST

Nov 2021 - Present | New Delhi, India

- Proven track record in optimizing web applications for maximum speed and scalability, implementing SEO best practices, and ensuring cross-browser compatibility.
- Demonstrated expertise in Angular, HTML5, CSS3, and modern JavaScript (ES6+) with a strong understanding of component-based architecture and reactive programming patterns.
- Currently working on an Angular project for permit purchases, featuring attractive left and right sections for enhanced navigation and user experience.