

Anchal Sharma

✉ areleanchal@gmail.com ☎ +91 9589014515 🌐 ianchal07 🌐 ianchal07

Education

- Maulana Azad National Institute of Technology Bhopal** [🔗](#) 2020 – 2023
Master of Computer Application
- Barkatullah University, Bhopal** [🔗](#) 2017 – 2020
B.Sc in Computer Science

Experience

- Software Engineer** Indore, India
NucleusTeq Pvt. Ltd. July 2023 – Present
- Working on the NuoData project to modernize data warehouses using Java, React, Python, and NoSQL databases.
 - Utilizing Spring Boot, FastAPI, and SparkSQL for efficient data analytics solutions.
- Software Engineer Trainee** Remote
NucleusTeq Pvt. Ltd. Jan 2023 – June 2023
- Developed features for user registration, blog creation, and content moderation in the Blog Portal project.
 - Technologies: Java, React, Spring Boot, MongoDB.
 - Implemented role-based user registration for Admins and Employees.
 - Enabled blog management features: create, edit, review, and filter by technology.
 - Facilitated user interactions: liking, disliking, commenting, and reporting content.
 - Utilized IntelliJ IDEA and Visual Studio Code; tested APIs with Postman.
 - Ensured code quality using Checkstyle, PMD, SpotBugs, and JaCoCo; conducted unit testing with JUnit 5.
- Software Engineer Intern** Remote
Vedx India Pvt. Ltd. Nov 2022 – Feb 2023
- Created a mass communication dashboard for sending emails, SMS, and WhatsApp messages to multiple customers at once.
 - Developed a dashboard for uploading large customer entries for promotional messaging.
 - Wrote queries for the internal MySQL database, enhancing data retrieval and formatting using Hibernate.
 - Created REST API routes in the Spring Boot server for request handling.
 - Implemented an authentication system using Next.js and Spring Boot, and improved overall UI.
 - Utilized third-party libraries and microservices, including Quartz Scheduler, RabbitMQ, AWS for email, Twilio, and WhatsApp Business API.

Projects

- Heart Disease Predictor** July 2023 – Oct 2023
- Developed a website to predict the risk of heart problems using machine learning classifiers.
 - Utilized sklearn API to train models with datasets from Kaggle; implemented Django for predictions and RESTful routes.
 - Created a user-friendly interface with HTML, CSS, and Bootstrap, achieving an accuracy of 86.88
- Online Mitra: Online Social Media Website** Feb 2022 – April 2022
- Developed a secure platform for users to find and chat with friends worldwide.
 - Implemented real-time communication using socket.io.
 - Designed a user-friendly interface with HTML, CSS, and Bootstrap; utilized NodeJS for backend connections

and MySQL for data storage.

myCrops: E-commerce Website

Aug 2021 – Nov 2021

- Developed an online F2C marketplace for retail products.
- Created a RESTful API with Express middleware to implement core backend logic.
- Designed a secure authentication system using browser cookies and sessions, along with a user-friendly UI in React; utilized MongoDB for data storage with Mongoose.

Train Reservation System

Feb 2021 – May 2021

- Developed a website to assist passengers with train inquiries, ticket booking, cancellation, and status checks.
- Created a RESTful API with Express middleware for backend logic.
- Designed a user-friendly interface with HTML, CSS, and Bootstrap; utilized NodeJS for backend operations and MySQL for data storage.

Technologies

Programming Languages: Java, C++, Python, JavaScript, SQL, HTML & CSS

Technologies/Frameworks: NodeJS, MongoDB, MySQL, Spring Boot, React JS, Next JS

Developer Tools: VS Code, IntelliJ, Git

Relevant Coursework

- | | | |
|----------------------------------|-----------------------|-------------------|
| ◦ Operating Systems | ◦ Database Management | ◦ System Design |
| ◦ Web Development | ◦ Computer Networks | ◦ Design Patterns |
| ◦ Data Structures and Algorithms | ◦ Microservices | ◦ Docker |