



# Akhil Kumar Agrawal

Roll No.: 211113063

Bachelors of Technology

Major in Electrical Engineering

Maulana Azad National Institute Of Technology, Bhopal

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🌐 akhilshub  
📌 Akhil K Agarwal

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Maulana Azad National Institute of Technology,Bhopal	9.07 (Current)	2021-Present
BSc. Minor	Indian Institute of Madras,Chennai	7.38	2021-Present
Senior Secondary	CBSE Board	85.75%	2021
Secondary	ICSE Board	94.60%	2019

## EXPERIENCE

- **Software Development Intern,JP Morgan Chase & Co.** May,2024-July,2024  
*Team Contributor* Bengaluru
  - Developed and worked to implement features for an app with 2,50,000+ users annually.
  - Enhanced an Android app with advanced Kotlin and Java features, increasing user engagement by 30%.
- **Robotics Process Automation** July,2023-Present  
*Online Trainee* Gorakhpur
  - Learned to automate various tasks and actions using UiPath under India's Top 1% Scientists.
  - Automated and optimized operating system functions, resulting in a 25% increase in system efficiency.
- **Code for Good,JP Morgan Chase & Co.** July,2023  
*Team Member* Bhopal
  - Engineered a rapid-prototype screen share reader for an NGO in a 16-hour collaborative development sprint in a hackathon of 2000+ students.
  - Worked under experts to code out the solution using various developer tools like HTML,CSS,JS,JSON,impacting 4M+ users

## PERSONAL PROJECTS

- **School Finder Application** June,2024  
*An android application to assist parents and relocating families in finding schools.*  
Inputs:Spearheaded end-to-end design and implementation of a comprehensive application.
  - Tools & technologies used:Android studio,RestAPI,SOLID Principles.
  - Engineered a data-driven school locator app with multi-layered architecture, impacting 2,50,000+ users annually.
- **E-Commerce System Design** June,2024  
*Scalable E-commerce Platform with MVVM Architecture*  
Inputs:Designed MVVM architecture, microservices, and cloud infrastructure for an e-commerce platform.
  - Tools & technologies used: MS Visio,RESTful APIs, Microservices architecture.
  - Architected scalable e-commerce platform using MVVM pattern, microservices for core functionalities, and cloud infrastructure for high availability and performance.
- **Student Portfolio Application** May,2024  
*A Android Development project to represent my educational journey and activities.*  
Inputs: Complete layout of the application.
  - Tools & technologies used: Graphics and designing, Android Studio, Figma, VScode, Retrofit
  - Developed an android application using API Calls and data fetching to display a profile on the app.
- **Biometric Electronic Voting System** April,2024  
*An Arduino based project with programming on Arduino-IDE and hands-on project building.*  
Inputs: Programming and hardware connectivity.
  - Tools & technologies used:Arduino UNO,Biometric Sensor,C++, Arduino IDE,NodeMCU,I2R,Internet of Things.
  - Developed a functional system that uses biometric based authentication for EVM's, reduces forgery by 50%
- Other projects are **Student Portfolio website, Heart-rate Monitoring system.**

## TECHNICAL SKILLS AND INTERESTS

**Languages:**C,C++,HTML,CSS,Python,JavaScript,Java,Kotlin

**Developer Tools:** VS Code,Android Studio,Google Colab,Arduino IDE, GitHub,UiPATH

**Cloud/Databases:** Thingspeak,MongoDB,RestAPI

**Soft Skills:**Problem-Solving, Adaptability,Teamwork,Leadership,Creativity

**Coursework:** Robotics Automation Process(NIELIT),Full Stack development(Open source),Android Development

**Areas of Interest:** Software Development,Android Development,Product Designing

## POSITIONS OF RESPONSIBILITY

- **Sponsorship Head** Rajbhasha Karyanwayan Samiti April'24-Present
- **Students' Coordinator** Vision-The Official technical Society of NIT,Bhopal July'23-Present
- **Logistics Manager**, Guinness World Record-IISF'23, January'23
- **School Vice Captain**, St. Xavier's School,Sahibganj April-2017-April 2018