Ankit Singh Rathore

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Objective

Seeking a challenging **entry level position in an IT or CS tech company** where I can leverage my background in web development to contribute towards innovative projects and collaborate with a dynamic team.

Programming Languages

- ❖ Python, R
- ❖ PHP
- ❖ JavaScript
- ❖ SQL

Libraries, Frameworks, and Tools

- ❖ **Frameworks:** Flask, Express.js, Bootstrap 5
- ❖ **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Plotly, jQuery, React.js
- ❖ **Runtime:** Node.js
- ❖ **Template Engine:** EJS (Node.js Template Engine for Server-side Rendering)

Core Skills

- ❖ Machine Learning & AI
- ❖ Data Analysis
- ❖ Front-End Technologies: HTML, CSS, JavaScript, Responsive Design
- ❖ The Unix Command Line with Git Bash
- ❖ Web Development
- ❖ Back-End Technologies: REST, APIs
- ❖ Database Management: SQL, PostgreSQL
- ❖ Version Control: Git, GitHub

Soft Skills

- ❖ Cloud Computing: Familiar with GCP, AWS CloudFront (S3), instance deployment
- ❖ User Role Management in Cloud Platforms
- ❖ Automation
- ❖ GUI Development
- ❖ SSL integration
- ❖ Project Management
- ❖ Project Management: Deployment, Cloud Databases
- ❖ Web Hosting and DNS Management
- ❖ Payment Gateway Integration
- ❖ UI/UX Design (Adobe XD)
- ❖ IoT & Electronics
- ❖ Adaptability and Problem-Solving

Coursework Highlights

Offline Certification at C.R.I.S.P. India:

- ➢ **Campus To Corporate Training (120 Hrs.):**
  Relevant coursework in Python Programming, AI and Machine Learning, Internet of Things, Power Electronics, Field Instrumentation, Behavioral Science.

Online Certification:

- ➢ **The Web Developer Bootcamp 2023 (73.5 Hrs.):**
  Relevant coursework in HTML5, CSS3, JavaScript (ES6), DOM manipulation, Asynchronous JavaScript, Bootstrap, ReactJS, Authentication, and more, ensuring proficiency in full-stack web development.

> **The Complete Python Bootcamp (22 Hrs.):**
> In-depth coursework covering Python basics, Object-Oriented Programming principles, web scraping techniques, data manipulation including working with images, PDFs, and CSV files, and an array of advanced Python concepts.

> **100 Days of Code: The Complete Python Pro Bootcamp (55 Hrs.):**
> Comprehensive training encompassing Python 3, data science skills with Pandas and NumPy, web development using HTML, CSS, and JavaScript, back-end development with Python, and other essential skills for a versatile developer.

> **Python For Data Science and Machine Learning Bootcamp (25 Hrs.):**
> Thorough coursework in Python, with a strong emphasis on data analysis using NumPy and Pandas, data visualization through Matplotlib and Seaborn, and comprehensive machine learning topics including Linear Regression, Decision Trees, and Natural Language Processing.

> **The Complete JavaScript Course 2023: From Zero to Expert! (68.5 Hrs.):**
> Comprehensive coursework in JavaScript, covering fundamental concepts, the Document Object Model (DOM), asynchronous JavaScript, data structures, modern operators, and strings, and more.

Repository

❖ GitHub: github.com/asr-repository

Education

S. No.	Course	Subject	Institution	CGPA / %	Year(s)
1.	Bachelor of Engg. (B.E.)	Electrical & Electronics	University Institute of Technology, RGPV, Bhopal	CGPA: 6.64/10	2023
2.	Senior Secondary (XII)	Science (PCM)	Maa Bharti Public Sr. Sec. School, Kota (RBSE)	75.80%	2016
3.	Secondary (X)	Science	Delhi Public School, Vijaipur (CBSE)	CGPA: 9.20/10	2013

College Projects

Major Project:

❖ **IoT-Based Substation Monitoring and Control:**
Programmed an ESP-32 Module for real-time data acquisition from analog sensors, enabling remote monitoring via mobile and desktop platforms. The system featured a 16×2 LCD display, IoT server integration, and automatic load relay control to ensure data accuracy and fault management.

Minor Project:

❖ **DTMF Based Remote Control Robot:**
Engineered a DTMF-based remote control robocar, controlled through DTMF tones generated from a mobile phone's dial pad during calls. The DTMF module interpreted the tones to produce binary signals, enabling precise control of motor-driven movements for forward, backward, right, and left maneuvers.

Achievements and Involvements

University Level

1. **Winner in Robo Soccer**, Technovision Satyarth-I 2017 at S.A.T.I. Vidisha (Represented UIT–RGPV, Bhopal)

2. **Conducted a Robotics Worksop with IndEyes**, UIT–RGPV, Bhopal

3. Took part in **Robo Race and Robo Soccer** (Fluxus '17, IIT Indore)

School Level

4. **National Science Olympiad 2011 (Level 1) - AIR 74**

5. **DPS Math & Science Talent Search Examination (Level 1) - All DPS Rank 38**