


# ANURAG JOSHI

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Portfolio: <https://anurag-portfolio-github-7m250j81q-anurag-joshis-projects.vercel.app>

## PROFESSIONAL SUMMARY

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- 3+ years professional IT experience in Analysis, Application Development, Maintenance and extensive hands-on experience in Finance and banking sector.
- Experience in LINUX IDE for C/C++, Perl, UNIX Shell Scripting and knowledge in python scripting.
- Worked on generating web pages using Perl/CGI, React and Angular.
- Experienced in Automation using Perl, specifically automating unit/manual test cases.
- Good understanding of various software development models like Agile, Waterfall and Spiral.
- Experience in Agile and Scrum methodologies.
- Expertise in designing, developing middleware components and Desktop/GUI applications for software in C/C++ using STL, multi threading, data structures. IPC (TCP/IP socket programming) and design patterns.
- Great ability to write clear, maintainable and efficient codebase.
- Experience in developing apps using Django Framework and in handling Django ORM.
- Experience in writing SQL, Sub Queries, Stored Procedures, Triggers, Cursors and Functions.
- Experience in using various version control systems like Git, Github and Serena.

## TECHNICAL SKILLS

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<b>Programming Languages</b>	Perl/CGI, Python, C, C++, Java, Shell Scripting, Bash Scripting
<b>Web Technologies</b>	HTML/CSS, JavaScript, Tailwind CSS
<b>Technologies/Frameworks</b>	Angular JS, React JS, Node JS, Django
<b>Database</b>	Oracle SQL, MySQL, PLSQL, MongoDB, PostgreSQL
<b>Operating Systems</b>	Unix, Linux, Windows, Ubuntu
<b>Version Control</b>	Git, GitHub and Serena
<b>Unit Testing</b>	White Box testing and Black Box testing

## PROFESSIONAL EXPERIENCE

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### Tata Consultancy Services

Nov, 2020 – Aug, 2023

Client: STATE BANK OF INDIA (SBI)

ROLE: Systems Engineer

- Enhanced the existing website using Perl CGI and Angular.

- Developed and implemented Perl and Python scripts to automate manual data entry processes, resulting in a 50% reduction in data entry time and improving operational efficiency.
- Debugging the existing code to identify the root cause of few complex issues.
- Designing, managing, and maintaining tools to automate operational processes.
- Development of complex applications using object-oriented Perl, Python and C++.
- Participating in the building of the tools and processes to support the infrastructure.
- Implemented Encryption and Decryption in C and Java language.
- Analyzed user requirements and designed the database changes accordingly.

## **Defence Research Development Organization (DRDO)**

**May, 2019 – Aug, 2020**

- Designed Antenna with help of High-Frequency Structure Simulator (HFSS) and used python's Sci-py and Scikit-learn for the analysis.

## **ACADEMIC PROJECTS**

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### **Smart Attendance Using Face Recognition**

- Designed system using Python, with the help of teammates, where it can manage attendance of students without any manual intervention.

### **Address Book Management**

- Using Python, I created a system that includes capabilities such as adding an address, browsing stored addresses, and editing/deleting existing addresses in an address book.

### **Shopping App**

- Created a shopping app cart Using React, you may add and remove things from your cart.

### **Carpooling**

- Implemented Clark Ride-Share app using Django framework, enabling Clark Students to easily share rides with fellow mates, resulting in significant cost savings and enhanced transportation accessibility.

## **CERTIFICATIONS**

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- NPTEL Accredited Certification in Artificial Intelligence and IoT (Internet of Things).

## **EDUCATION**

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**Clark University**

Masters in Computer Science

**Aug, 2023 – Dec, 2024.**

Worcester, MA.

**Mahatma Gandhi Institute of Technology**

Bachelors of Technology in Electronics and Communication

**Aug, 2016 – June 2020**

Hyderabad, TS.