

Manav Nagpal

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OBJECTIVE

I am a highly motivated Computer Science student specializing in Data Science, with a strong foundation in Python, machine learning, and deep learning. I am eager to apply my expertise to develop innovative solutions in a Software Development role. Passionate about addressing realworld challenges, I strive to contribute to impactful and transformative projects.

EDUCATION

B. Tech in Computer Science (Specialization: Data Science)

Alliance University, Bangalore

- **Expected Graduation:** June 2028
- **Relevant Coursework:** Advanced Python, Machine Learning, Deep Learning, Data Analytics, and SDLC

TECHNICAL SKILLS

- **Programming Languages:** Python (NumPy, Pandas, scikit-learn), SQL, PHP, Java
- **Web & SEO:** Website Development (HTML, CSS, JavaScript, PHP, Firebase), SEO Optimization, Responsive Design, UI/UX Principles
- **Tools & Technologies:** Linux, Android Studio, Jupyter Notebook
- **Development Skills:** Frontend Development, Backend Development, Machine Learning, Deep Learning

PROJECTS

1. Flip & Clip: A platform that allows people to share content and helps in detecting crimes to ensure safety.

Technology Used: Python, Data Science, Security Algorithms.

2. Kraze : A platform for sharing content and connecting with others creatively.

Technology Used: Python and tools for content sharing.

3. Hotel Management System: A system to manage hotel tasks like room booking, check-in, check-in, and check-out to make work easier. **Technology Used:** Python, SQL.

4. Social Media Analytics for Disaster Response: This project uses social media data to help during disasters by providing useful information quickly. **Technology Used:** Data Analysis, Machine Learning.

5. Blooms

An AI-powered smart plant monitoring system that tracks plant health, moisture levels, and environmental conditions.

Technologies Used: IoT Sensors, Python, Firebase, Machine Learning

Skills Gained from Projects

1. **Problem-Solving and Critical Thinking:** I've developed strong problem-solving skills by breaking down complex issues and finding effective solutions, improving my ability to think critically and address challenges.
2. **Project Execution from Start to Finish:** I've learned how to take a project from the idea stage to final deployment, including planning, designing, testing, and improving the solution to meet specific goals.
3. **Collaboration and Communication:** Working with others taught me how to communicate clearly with team members and stakeholders, gather valuable feedback, and ensure the project meets their needs and expectations.
4. **Deep Learning and Data Visualization:** I gained hands-on experience in deep learning and applied machine learning techniques to solve real-world problems. I also learned to present data insights clearly using tools like Matplotlib.

Internships

Software Development Intern

- Focus on developing scalable software solutions and improving system efficiency.
- Hands-on experience with SDLC and collaborative teamwork.

FLIP&CLIP

- As a Leader and co-founder
- Hands-on experience with Data Science , Machine Learning , Handling all the things .

Certifications

- **Python for Data Science Certification** (*IBM*)
- **Machine Learning Crash Course** (*Google AI*)
- **CS50**(Harward University (2020))
- **Linux**(hackerEarth)
- **Machine Learning** (IBM)
- **Essentials of Entrepreneurship** (University of California, Irvine)

Extra-Curricular Activities

- Active member of Alliance University's **AI and ML Club**: Organized workshops on neural networks and mentored juniors.
- Founder and leader of **Flip Clip**
- Participated in university **coding hackathons**, hack2skills internship

Personal Details

- **Date of Birth**: 02/10/2005
- **Languages**: English, Hindi, Punjabi.
- **Hobbies**: Reading about AI advancements, exploring new technologies, Startups , entrepreneurship, Robotics.
- **LinkedIn**: [Manav Nagpal](#)