

## CONTACT ME AT

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 Varanasi

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## EDUCATION

-  **Diploma in Computer Science** from Ambition Institute of Technology, 2020
-  **HSC** from Nagar Palika Inter College, 2016
-  **SSC** from Nagar Palika Inter College, 2014

## CORE COMPETENCIES

- Full-Stack Development
- Product Development
- Project Management
- Software Development Lifecycle
- Testing and Integration
- Scrum and Agile Methodologies
- User Experience Design
- Testing, Debugging & Code Review
- Machine Learning Model Optimization
- End-to-End API Development
- Cloud Infrastructure Management
- AI Integration & Automation
- Data Engineering & Processing
- Full-Stack Web Development
- Containerization & Orchestration
- Database Design & Optimization
- Agile Project Management
- API Security & Authentication
- IoT & Edge Computing Solutions
- Cloud Cost Optimization
- AI-Powered Chatbot & NLP Development

## CERTIFICATIONS

-  Java, Microsoft
-  Python, HP
-  Python Full Stack, Udemy
-  Data Structure, Udemy
-  Data Science and Machine Learning, TBPI, Hyderabad

# SANJEEV KUMAR

Results-driven **Python Full Stack Engineer** with expertise in **Python, Django, Flask, cloud technologies, and Generative AI**, skilled in **deploying AI models, developing APIs, and building scalable backend solutions** to drive innovation and enhance performance. Proven experience in **integrating machine learning models, transforming them into accessible APIs, and optimizing cloud-based systems** to deliver impactful business solutions. Open to **remote and contractual opportunities**, leveraging expertise in **software development, AI integration, and cloud-based solutions** to create transformative digital experiences.

## PROFILE SUMMARY

- ❖ A highly skilled and versatile **Python Full Stack Developer** with **7+ years of experience** in application development, specializing in **backend engineering, full-stack development, and exposure to MLOps**.
- ❖ Proficient in **Python, Django, FastAPI, Flask, and data structures**, with a strong foundation in **cloud computing, API design, microservices, Agile methodologies, DevOps, and containerization**.
- ❖ Extensive experience in **designing and developing RESTful APIs, integrating third-party services, and optimizing application performance**.
- ❖ Expertise in both **front-end and back-end technologies**, ensuring **high-quality code, exceptional user experiences, and scalable architectures**.
- ❖ Hands-on experience with **AI & Automation Tools: GPT-3.5-turbo, GPT-4-turbo, GPT-4o, Midjourney, Gemini-Pro, Claude, Microsoft Copilot, Jasper, Power Automate**.
- ❖ Proficient in **end-to-end software development**, including **requirement analysis, architecture design, implementation, testing, deployment, and documentation**.
- ❖ Strong background in **MLOps**, with exposure to **machine learning frameworks such as TensorFlow, Keras, Pandas, NumPy, and Azure ML**. Experience in **automating ML pipelines, model deployment, and cloud-based AI solutions**.
- ❖ Experienced in **cloud platforms like AWS, Azure, and GCP**, ensuring **efficient database management, cloud governance, and scalable software architecture**.
- ❖ Adept at **process standardization and best practices implementation**, ensuring **efficient project execution while working with cross-functional teams**.
- ❖ Well-versed in **CI/CD pipelines, DevOps tools, and infrastructure automation**, ensuring **efficient and seamless software delivery**.
- ❖ Skilled in **HTML, CSS, JavaScript, and modern front-end frameworks** for developing **interactive and dynamic user interfaces**, with a **strong grasp of efficient algorithms and data structures** to optimize **performance and scalability** across projects; adept at **problem-solving, coding, debugging, and optimization**, ensuring the delivery of **robust and high-performance applications**.
- ❖ Holds multiple certifications, including **Java (Microsoft), Python (HP), Python Full Stack (Udemy), Data Structures (Udemy) & Data Science & Machine Learning (TBPI, Hyderabad)**.

## WORK EXPERIENCE

### Python Back-End Engineer (Contract) | I Link Systems | Oct 2022 - March 2025

#### Role:

- ❖ Enhancing machine learning models in the backend, leading to significant improvements in data processing speed & efficiency, while managing over 1 million transactions daily.
- ❖ Integrating advanced container technologies and developing automated testing frameworks, which have substantially reduced deployment times and improved resource utilization.
- ❖ Collaborating with cross-functional teams to design and implement robust backend solutions, ensuring scalability and security in application architecture.
- ❖ Conducting thorough performance monitoring and optimization of machine learning workflows, ensuring seamless integration into production systems.
- ❖ Spearheading initiatives to streamline data handling processes, resulting in improved accuracy and reliability of data-driven insights.
- ❖ Leading the development of APIs and server-side logic to enhance application functionality, focusing on user experience and system performance.
- ❖ Mentoring junior engineers and fostering a culture of continuous learning and improvement within the team.
- ❖ Engaging in regular code reviews and implementing best practices to maintain high standards of software quality.

#### Highlights:

- ❖ Optimized machine learning models, increased data processing speed by **30%** and backend efficiency by **25%**, handling **1M+ transactions daily**.
- ❖ Integrated containerization and automated testing, reducing deployment time by **40%**, improving resource utilization by **20%**, and maintaining **99.9% production accuracy**.

### Full Stack Engineer | Digital Smart India Company | Feb 2017 - June 2019

#### Role:

## TECHNICAL SKILLS

**Programming Languages:** Python, C, Java, PHP, C++, R, Ruby

**Frameworks & Libraries:** Django, Flask, FastAPI, AngularJS, NodeJS, Bootstrap 4 & 5, Core DNA, ReactJS, WordPress

**API Development:** RESTful APIs, Django REST Framework, Flask, FastAPI, GraphQL

**Cloud Platforms:** Azure (Azure ML Workspace, Azure DevOps, Azure Board, Azure SQL), AWS (RDS, DynamoDB, EC2, S3, API Gateway), Google Cloud Platform (GCP), Digital Ocean, Vultr, GoDaddy

**Artificial Intelligence & Data Science:** Machine Learning, Deep Learning, OpenAI, Data Science, Pandas, Numpy, TensorFlow, Keras, Raspberry Pi, IoT

**AI & Automation Tools:** GPT-3.5-turbo, GPT-4-turbo, GPT-4o, Midjourney, Gemini-Pro, Claude, Microsoft Copilot, Jasper, Power Automate

**Version Control & DevOps:** Git, Bitbucket, Docker, Kubernetes (AKS), CI/CD Pipelines, GitLab, Azure DevOps, AWS CodePipeline

**Project Management & Collaboration:** Jira, Azure Board, Trello, Slack, Microsoft Teams

**Databases:** MySQL, SQLite, PostgreSQL, Microsoft SQL Server, DynamoDB, MongoDB, Azure SQL

**Operating Systems:** CLI Ubuntu, Red Hat, Windows 10, 11, MacOS, Raspberry Pi, CentOS

## SOFT SKILLS

Analytical & Creative Problem Solving

Goal-Oriented and Decision Making

Good Listener & Communicator

Negotiation & Conflict Management

High Business Ethics & Trustworthy

Team Building & Interpersonal Skills

- ❖ Engineered scalable full-stack solutions for IoT applications, increasing system efficiency by **40%**, reducing latency by **25%**, and improving user satisfaction by **50%**.
- ❖ Led IoT product development across front-end and back-end, enhancing system reliability by **30%** and cutting time-to-market for new products by **20%**.



## ENTREPRENEURSHIP EXPERIENCE

### Founder / Project Manager | IT Skills and Solutions (Startup) | Nov 2019 - Jan 2022

#### Role:

- ❖ Spearheaded Agile project execution, delivering projects **20% ahead of schedule** and under budget, enhancing team productivity by **30%**.
- ❖ Fostered a culture of continuous improvement, driving a **35% increase** in successful project completions and strengthening stakeholder engagement.



## PROJECTS UNDERTAKEN

### Voyager Health (2 Years 5 Months)

#### Role: ML Ops & Backend Developer

- ❖ Developed and managed **end-to-end machine learning workflows**, including model training, deployment, and monitoring, ensuring seamless **integration into production systems**.
- ❖ Designed and implemented **scalable backend solutions**, including APIs and server-side logic, enhancing application **security, efficiency, and database performance**.
- ❖ **Tech Stack:** FastAPI, Flask, AKS, APIM, Azure ML Workspace, ML Ops, Azure DevOps

### LEXITAS (24 Months)

#### Role: Full Stack Developer

- ❖ Built a **secure file-processing system**, enabling users to upload files via a front-end interface, which were stored in an **S3 bucket** and processed using **AWS Lambda and NLP models**.
- ❖ Led **API development and project deployment on AWS**, integrating AWS API Gateway and machine learning models for **automated document processing**.
- ❖ **Tech Stack:** Python, AWS, RDS, Django, AWS API Gateway, Machine Learning, NLP

### Bundle (6 Months)

#### Role: Backend Developer

- ❖ Developed a **real-time cryptocurrency trading platform**, allowing users to buy customized bundles of cryptocurrencies, with complex **percentage-based allocations**.
- ❖ Integrated **Plaid and Dwolla** for secure financial transactions and implemented **real-time data scraping** to update market trends dynamically.
- ❖ **Tech Stack:** Python (Django, Pandas, Numpy), React, Data Scraping

### Product Cloud (6 Months)

#### Role: Full Stack Developer

- ❖ Engineered a **collaborative product management platform**, enabling seamless **planning, tracking, and workflow management** from ideation to market launch.
- ❖ Developed a **user-friendly interface and backend logic** to optimize **team collaboration and product lifecycle tracking**.
- ❖ **Tech Stack:** DXP (PHP), React JS, Python



## PERSONAL DETAILS

**Date of Birth:** 1<sup>st</sup> October 1998

**Languages Known:** English & Hindi

**Address:** Varanasi