

Anant SHUKLA

Software Developer | Cloud Specialist | IoT | Data Science | Blockchain

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A highly motivated and dynamic software engineering professional, looking to work in a fast-paced company as a software engineer. With my strong technical qualifications, problem-solving skills, management and leadership experience, I aim to solve a significant world problem while taking my career forward.

COMPETENCIES

Programming Languages	JavaScript, Python, Go, SQL, C#, C++, Java
Tools	Jenkins, Microsoft Azure, AWS, DataBricks, git, JIRA, SQL Server, PostgreSQL, MySQL, Cassandra, Redis, Kubernetes
Frameworks	NodeJS, Express, ReactJS,
Electives	Cloud Computing, Cryptography, Data Science and Big Data, Software Testing, Engineering Economics And Financial Management

WORK EXPERIENCES

Current August 2020	Systems Engineer, TATA CONSULTANCY SERVICES, Bengaluru, India <ul style="list-style-type: none">➤ Working on 3 projects for the Johnson and Johnson IoT Team with roles varying from Subsystem Lead, Tech Lead, and Site Reliability Engineer.➤ My work primarily involves developing Cloud and Backend Services for Web API, IoT Data Ingestion, Data Processing, Developing CI/CD pipelines and monitoring all resources in production.➤ My Tech stack consists of REST API's on NodeJS, Data Processing Jobs on Databricks using PySpark, Data Ingestion Services using .NET, Kubernetes, Jenkins, Cloud Services on Microsoft Azure and AWS, SQL and NoSQL.➤ As an additional responsibility, I mentor junior engineers.
July 2020 December 2019	Co-Founder, Software Developer Lead, ZALT TECHNOLOGIES LLP, Chennai, India <ul style="list-style-type: none">➤ ZALT aims to leverage technology, by building an innovative digital infrastructure and connecting it with drones to analyze and optimize the movement and delivery of packages.➤ Developed a routing software that included a Web UI, Backend and Mobile App which helps to route a fleet of delivery riders and optimize their Routes. The software was bought by our investor, before my exit from the company.
June 2020 August 2016	Team Leader Software Engineer , SRM UNMANNED AERIAL VEHICLE (SRM UAV), Chennai, India <ul style="list-style-type: none">➤ SRM Unmanned Aerial Vehicle is an undergraduate student organization specializing in unmanned aerial systems and their applications. Our goal was to do research on UAV's and implement it in competitions like AUVSI SUAS (USA) and Medical Express (Australia).➤ Best Technical Design in AUVSI SUAS 2019. Received cash prize 1450 USD. Competed in the 2018 and 2017 editions as well. The competition is held in Patuxent River Naval Airbase in Maryland, USA.➤ Problem statement requires the team to develop a UAV for a 20 mile mission capable of autonomously taking off and completing a way-point mission followed by obstacle avoidance and an ODLC task which requires image processing, followed by an autonomous detection of a lost hiker, and dropping a payload UGV (Unmanned Ground Vehicle) which is supposed to drive to the lost hiker and deliver relief material. At the end of the mission, the UAV should land back at the designated runway autonomously. <div>UAV Embedded Systems Research Aerial Robotics AUVSI-SUAS Medical Express</div>

EDUCATION AND ACADEMICS

2020	B.Tech -Information Technology - SRM Institute of Science and Technology. Percentage : 81.3%
2016	Class 12 - Navy Children School, New Delhi.
2014	Class 10 - Air Force School, Jamnagar.

PROJECTS

- > **Routing Software**
Developed a routing software for ZALT Technologies LLP. which includes a Web Portal and a Mobile App which helps Routing the fleet of riders and optimize their Routes.
- > **Academic Credential Verification Using Blockchain**
Developed a Decentralized application on Ethereum Blockchain which stores the student transcript of all the students who have graduated from SRM IST as part of major project.
- > **Attendance and Inventory Management System for TATA**
Developed an Employee Attendance system, and an Inventory Management System for Internship at PLS Automobile, Tata Motors
- > **Mission Planner : SRM UAV**
Developed the Distributed systems for the mission data and telemetry. This is coupled with web interface which is used for the mission planning and the task planning.
- > **Autonomous Drive of an Unmanned Ground Vehicle**
Developed the control systems of an Autonomous UGV. Completed Lane Detection using image processing on a stereo vision rig and a steering control based on a PID Controller.

HONORS AND ACHIEVEMENTS

- > **Indian Olympic Association (2021)** : Level 3 Yachting Certification for Wind Sail Boats
- > **AUVSI : Student Unmanned Aerial System (2019)** : Best in Technical Design Award in AUVSI SUAS 2019. The competition is held amongst 89 international teams in Patuxent River Naval Airbase, Maryland, USA with over 100 International University Student Teams
- > **SRM Research Day (2019)** : Gold medal for paper presented on the implementation of Swarm Robotics in Humanitarian Aid and Disaster Recovery situations
- > **SRM Research Day (2019)** : Silver medal for paper presented on Design and Systems of an Amphibious Reconnaissance Vehicle
- > **DRDO Robotics and Unmanned Systems (2018)** : 5th prize and most innovative solution award for Project Developed by our Team. Developed an Amphibious Reconnaissance Vehicle. Project funded by DRDO, SRMIST
- > **Medical Express Outback Challenge (2018)** : Selected amongst the top 20 out of 564 teams in Medical Express UAV Challenge held in Australia.
- > **Techno-Science Fair (2017)** : 1st prize in Techno-Science Fair held at SRM Institute of Science and Technology for project titled 'Wireless Home Automation using IoT'

LANGUAGES KNOWN

English ● ● ● ● ●
Hindi ● ● ● ● ●
Korean ● ● ● ○ ○

STRENGTHS

- > Leadership Skills
- > Hard-worker
- > Ambitious and Innovative
- > Communication Skills
- > Team Player

RESEARCH PAPERS AND CONFERENCES

- > Academic Credential Verification Technique Using Blockchain
May 2020 | SCOPUS
[Link](#)
- > Particle Swarm of Multiple UAV's for Resource Allocation in Humanitarian Aid and Disaster Relief Operations
Feb 2019 | Silver Medal, SRM Research Day
[Link](#)
- > Design and Systems of an Amphibious Reconnaissance Vehicle
Jan 2019 | Silver Medal, SRM Research Day
[Link](#)

CERTIFICATIONS

- > Azure Certified DevOps Expert | June 2021
[Certificate](#)
- > Azure Cloud Developer Associate | May 2021
[Certificate](#)
- > Azure Certified IoT Specialist | January 2021
[Certificate](#)
- > Blockchain Specialization | University at Buffalo | July 2020
[Certificate - Blockchain](#)
- > Google Cloud Platform Fundamentals | May 2020
[Certificate - Google Cloud](#)
- > IELTS Academic | Overall Band Score : 8 | October 2020
[Certificate](#)