# SRIKAANTH CHOCKALINGAM

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## OBJECTIVE

To apply my skills in full-stack development, drone survey technology, and AI-based applications to build impactful geospatial and agricultural solutions using weather and satellite data.

## EXPERIENCE

**Full Stack Developer Intern — Birdscale Technologies & SpaceLabs  
May 2024 – July 2024 | Pune, India**- Built a responsive, SEO-optimized product website for SpaceLabs to showcase geospatial and healthcare solutions.  
- Technologies used: React.js, Node.js, Express, and integration with secure email APIs for form data handling.  
- Contributed to drone mission planning and execution, including:  
 - Drawing flight paths and processing UAV data using photogrammetry tools  
 - Understanding LiDAR, thermal, and multispectral applications in agriculture and infrastructure  
 - Working with orthomosaics, 3D terrain modeling, and GIS data visualization  
- Gained hands-on experience in converting aerial data into meaningful insights through CAD/GIS workflows.  
- Key insight: Bridged the gap between hardware deployment and end-user experience in full-stack product delivery.

## TECHNICAL SKILLS

Languages & Frameworks:  
- C, C++, Python, JavaScript, HTML, CSS  
- React.js, Node.js, Express.js  
- Bootstrap, Tailwind CSS  
  
AI & ML:  
- Keras, TensorFlow  
- Basic Deep Learning (CNNs), Image Classification  
- Worked with real-time datasets, including drone-collected and weather data  
  
Databases & Tools:  
- Firebase, MongoDB, MySQL  
- Git, GitHub, Figma  
- Postman, VS Code, Google Maps API  
  
Other Tech(related to project):  
- UAV Survey Workflows  
- Orthomosaic & Terrain Model Processing  
- GeoJSON & CAD Tools for Mapping  
-Photometry

## EDUCATION

B.Tech in Computer Engineering  
Vishwakarma Institute of Technology, Pune  
Expected Graduation: 2026

## WHY THIS PROJECT FITS

- Experience in combining AI with spatial data for real-world tasks (drones, geolocation, environmental applications)  
- Proven ability to work across hardware, software, and user experience layers  
- Passion for building tools that empower people—farmers, students, or everyday users