ANSHUMAN NAYAK

Software Engineer

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Linkedin | GitHub | Portfolio

EDUCATION

IIT Kharagpur   Kharagpur, India
Master of Technology Agricultural Systems and Management   July 2020 - May 2022
CGPA: 9.51

Orissa University of Agriculture and Technology   Bhubaneswar, India
Bachelor of Technology Agricultural Engineering   July 2016 - July 2020
CGPA: 8.50

EXPERIENCE

Carelon Global Solutions LLP | Software Engineer   Gurugram, India | Jul 2022 - Present
- Led low-code platform creation for Data API Gateway.
- Cut dev time from 14 days to 2 hours with templates.
- Engineered fault-tolerant core, enabling scalability.
- Supported 2000+ data scientists, 5+ apps.
- Managed diverse data model lifecycle.
- Implemented effective alerts and led model pipelines.

NexVerse Pvt. Ltd. | Freelancer   Bhubaneswar, India | Jan 2019 - Mar 2022
- Developed Cordova-based hybrid social media app UI.
- Utilized Node.js for backend; MongoDB for primary database.
- Integrated Push Notifications, InApp Messaging, A/B Testing, Analytics.
- Optimized video processing for superior user experience.
- Supported 8000+ users and 15+ businesses.
- Implemented AWS EC2 autoscaling.

SKILLS

Programming Languages:	Python, JavaScript, C
Libraries/Frameworks:	Node JS, Express, React, Next Js, Flask, GraphQL, TypeScript, OpenCV, TensorFlow, HTML 5, CSS 3, Ionic
Tools / Platforms:	AWS, Docker, Git, Jira, NgInx
Databases:	MySQL, MongoDB, Firebase, Snowflake

PROJECTS / OPEN-SOURCE

Mobile camera based plant diesease detector | Link   *JavaScript, Python, WebAssembly*
- Produced an app for identifying plant diseases via photos.
- Designed for online/offline use, especially advantageous for Indian farmers.
- Employed TensorFlow.js and OpenCV.js for Deep Learning.
- Established Flask/Python ML pipeline for hosting and updates.
- Constructed UI with Ionic and React JS.
- Idea published in Elsevier's Smart Agricultural Technology Journal.

Next Generation Sports Battle   *Cordova, NodeJS, MongoDB*
- Created an app connecting sports enthusiasts for challenges.
- Cordova with WebRTC powers frontend; Node.js, Express, GraphQL backend.
- Real-time data via GraphQL subscriptions.
- Utilized RethinkDB and MongoDB for dynamic and static data.
- Successfully tested with 20,000 users in 2019.
- Hosted on AWS-OCP for seamless performance.

CERTIFICATIONS

- Data Analytics with Python - **NPTEL**
- Responsive Web Design - **freeCodeCamp**
- Financial And Social Inclusion - **University of waikato**
- GIS and Its application with Python - NAHEP.
- GraphQL Developer - Associate - **Apollo GraphQL**
- JavaScript Algorithms and Data Structures - **freeCodeCamp**

HONORS & AWARDS

Achieved Silver Elite Award in Data Analytics from IIT Roorkee.

Recognized Scholar in Digital Agricultural Technology by GSA, Kyoto Japan.

Attained All India Rank 67 in GATE 2020.

Holds patent for smartphone tech detecting Nitrate and Phosphate in water and soil.