

Akshay Viswanathan

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EDUCATION

National Institute of Technology, Agartala <i>Bachelor of Technology in Electronics and Communication Engineering</i>	2021-2025 CGPA: 8.22
Maharishi Vidya Mandir School <i>Senior Secondary (XII)</i>	2020-2021 Percentage: 93.2
Maharishi Vidya Mandir School <i>Secondary (X)</i>	2018-2019 Percentage: 91.2

EXPERIENCE

Web Development Intern <i>EasyShiksha</i>	June 2024 – July 2024
<ul style="list-style-type: none">Completed a remote internship, working on projects and gaining experience with the MERN stack technology.Revamped the project website's frontend, improving user experience with a 30 percent increase in intuitiveness and responsiveness during testing.Optimized backend server performance and streamlined database connections, enhancing overall efficiency.	

PROJECTS

VishwaSamachar (Live Custom API) (Github Code) <i>Nodejs, Reactjs, API, Javascript, Tailwind CSS</i>	June 2024
<ul style="list-style-type: none">Developed VishwaSamachar, a globally responsive news website, offering tailored categories based on user choices and increased user engagement by 40 percent.Created a custom Node.js API and optimized data retrieval time by 30 percent, enhancing system performance.Tested 10+ API Endpoints using Postman and Deployed the backend server to Railway and frontend to Vercel.	
Simple Registration Form (Github Link) <i>Nodejs, MongoDB, API, Javascript, Expressjs, Postman, Git</i>	June 2024
<ul style="list-style-type: none">Designed a robust registration and login system, rigorously validated in Postman for seamless user authentication.Tested 20+ API endpoints using Postman, ensuring a 95 percent success rate in generating JWT tokens and implementing authentication protocols effectively.Implemented a high-performance MongoDB cluster, ensuring secure connections and 50% faster data retrieval.	
Luminosity Drone (Github Code) <i>Control System, Gazebo, OpenCV, Robot Operating Systems, Python</i>	January 2024
<ul style="list-style-type: none">Engineered and simulated a four-propeller drone with ROS, achieving 98 percent hover stabilization accuracy.Implemented PID controllers to stabilize and hover the drone at designated 3D coordinates in Gazebo Software.Developed a light source detection drone using OpenCV, achieving 90% accuracy in detecting the light source.	

SKILLS AND ABILITIES

Languages: C/C++, SQL, Python, Java, JavaScript, Typescript, HTML, Verilog, Assembly
Frameworks: React, Node.js, Express.js, Bootstrap, CSS, Next.js, MongoDB.
Softwares: Xilinx, MATLAB, HFSS, Labview, Proteus, Gazebo
Developer Tools: Git, REST API, Google Cloud Platform, Netlify, MongoDB Compass, Postman, Vercel, AWS.
CS Fundamentals: Data Structures, Algorithms, OS, DBMS, Computer Networks, OOPs, System Design, Linux.
Non-Technical skills: Leadership, Strategy, Communication, Teamwork.

ACHIEVEMENTS

- Spearheaded NIT Agartala at E-yantra Robotics Competition conducted by IIT Bombay and reached pre-final.
- Earned the Postman Badge for exceptional API literacy, ranking in the top **5** percent of badge earners.
- Achieved 2 star rating(**max-1511**) at Codechef. Profile: [Codechef](#)
- Solved **350+** questions on Leetcode. Profile: [Leetcode](#)
- Secured rank **655** out of 26500+ participants in Codechef Starters 128.
- Secured an International FIDE Chess rating of **1627**. Profile: [FIDE](#)
- Represented NIT Agartala at AIINIT Chess Tournament and secured **11/31** team rank at NIT Silchar in 2022.
- Obtained **10/31** team rank at the All India InterNIT Chess Competition at NIT Jamshedpur in February 2024.