

# Sanjay Nithin

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## Experiences

- Mar 2023 – Jul 2023 **ESomein, Backend Developer Intern**
- Handled the entire development of backend (REST API) including database design, security measures implementation, firebase file storage and API documentation for a school portal utilizing node.js, express.js, jwt, multer, bcrypt, and mongoose.
  - Employed tools like nodemon, Postman, MongoDB Atlas, Render and Firebase Storage for seamless development and deployment.
  - Implemented Razorpay payment portal and enhanced reliability through webhook integration and deployed the app in cpanel.

## Education

- 2020 – present **Vellore Institute of Technology, Bachelor of Technology in Information Technology.**
- Achieved a CGPA of 8.64.
  - Skilled in Database Management Systems, Network Information Security, Cloud Computing, and Machine Learning.

## Publications

- Dec 2022 **Performance Analysis of a Micromodel-based Multinomial Classifier,**  
*2022 International Conference on Computational Science and Computational Intelligence (CSCI)* [🔗](#)
- Collected 400 resumes from university students, parsed their resumes using an online tool and encoded the extracted skills using One-Hot Encoding.
  - Developed multi-layer feed forward ANNs for each class and aggregated them using a mathematical function.
  - Conducted analysis on model performance against traditional algorithms and neural networks.

## Projects

- Jun 2023 **Phishing Detection Webapp**
- Trained SVM, Logistic Regression, Random Forest Classifier and AdaBoost models on the dataset using scikit-learn and pickle; used Flask and Jinja to serve webpages.
  - Github: <https://github.com/SanjayNithin2002/phishing-detection-api> [🔗](#)
- Dec 2022 **Cloud File Searching Webapp using AWS Kendra**
- Utilized AWS Kendra service to index files stored in a S3 bucket; performed duplication check on files based on ETag and file size and used DynamoDB to store the values; implemented user authentication using bcrypt.
  - Github: <https://github.com/SanjayNithin2002/kendra-search> [🔗](#)
- Nov 2022 **Covid Resources Sharing Webapp**
- Served webpages using node.js and express.js; implemented auto-login using cookies; utilized MongoDB for storing records, handlebars for rendering HTML pages and nodemon for hassle free deployment.
  - Github: <https://github.com/SanjayNithin2002/covid-resources-nodejs/> [🔗](#)

## Skills

**Languages and Databases** (Python, Java, Javascript, Node.js, HTML, CSS, MongoDB, MySQL, DynamoDB)

**Frameworks and Cloud Services** (Bootstrap, Express, React.js, Flask, Amazon Web Services, Google Firebase, socket.io)

**Tools and Services** (Git, Json Web Token, Postman, REST API Development, Machine Learning, WebSockets)

**Soft Skills** (Design Thinking, Collaboration, Lean Mindset, Problem Solving)

## Certificates

**AWS Certified Cloud Practitioner** [🔗](#) (Candidate ID: DQGSKHQ1VBR41M91) • **Applied Data Science by Google Developers** [🔗](#)

**WebSocket Fundamentals with Socket.io** [🔗](#) (User Id: 61cbe43ebc0ec50009a365cb)