

VISHAL KUMAR

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INTERNSHIP

Full Stack Developer Intern

InCodersLab Software & Website Development

📅 July 2022 – Oct 2022 📍 New Delhi, India

- Developed Full-stack websites, utilizing **Python, Django, MySQL, HTML5, CSS, JavaScript, Bootstrap, Ajax** to create visually appealing and functional web applications.
- Collaborated with colleagues to identify and resolve bugs, demonstrating strong problem-solving skills and the ability to work effectively in a team environment.
- Added new functionalities to existing websites, such as user authentication, data validation, and integration with third-party APIs, enhancing user experience and expanding website capabilities.

ACHIEVEMENTS

- Secured the coveted 1st rank at the Hackathon held in the esteemed halls of Sona College of Technology, Tamil Nadu.
- Attained a position in the ultimate phase of the Hackathon hosted at Sri Ramakrishna Institute of Technology, Tamil Nadu.

TECHNICAL SKILLS

Programming Languages:

- **C** (Basics, Arrays, Pointers, Strings, Structures, Unions)
- **Python** (Basics, OOP, File Handling, NumPy, Pandas, Matplotlib, Seaborn, SciPy, Scikit-learn)

Machine Learning:

- Linear Regression, Logistic Regression, Decision Trees, Random Forests, SVM, Naive Bayes, k-NN, Adaboost, Xgboost, PCA, K-Means, Hierarchical Clustering
- Hyper parameter Tuning, Feature Engineering

Deep Learning:

- Neural Networks, CNNs, RNNs, ANNs

Data Analysis:

- **Pandas:** Data Cleaning, Data Manipulation, Exploratory Data Analysis (EDA) with Descriptive Statistics
- **Microsoft Excel:** Data Cleaning, VLOOKUP, HLOOKUP, Pivot Tables, Data Visualization, Outlook Integration.
- **Power BI:** Data Import from Multiple Sources, Data Cleaning and Transformation with Power Query, Data Visualization, DAX, Creating Interactive Dashboards and Reports.

Databases:

- **SQL** (Extensive Knowledge in SQL Queries, CRUD Operations, Joins and Sub-queries, Grouping and Functions, Views and Pseudo Columns, SQL Statements, Normalization, My SQL, and Oracle SQL)

Web Development:

- HTML5, CSS, JavaScript, Bootstrap
- **Django** (Basics, Database Integration, User Authentication, Template Rendering, Forms and Validation, Admin Interface Customization, Static and Media File Management, Custom Django Apps, Deployment)

EDUCATION

Excel Engineering College

📅 August 2021 - 2024

Bachelor of Engineering in Computer Science Engineering. - 7.14 CGPA

Government Polytechnic Collage

Diploma in Electronics & Communication Engineering.

7.79 CGPA

S.P.S Seminary + 2

Bihar School Examination Board. – 74 %

CERTIFICATIONS

- Problem Solving Basic Certification from Hacker Rank. [View](#)
- Python Basic Certification from Hacker Rank. [View](#)
- Data Analytics Certification from Atos Prayas Foundation and ICT Academy. [View](#)

TOOLS

- **IDE and Code Editors:** (Proficient in using Visual Studio Code and PyCharm for efficient development and debugging.)
- **Database Management:** (Skilled in managing databases with MySQL Workbench and SQL*Plus, including data modeling, query optimization, and administration)
- **Version Control:** (Experienced in using Git, GitHub, and Bitbucket for collaborative development, code management, and version control.)

PROJECTS

Oral Cancer Detection

Machine Learning, Deep Learning, Python, Django, JavaScript, Bootstrap, CSS,HTML5

- Developed a robust oral cancer detection system utilizing **Convolutional Neural Network (CNN)** to accurately classify the presence of oral cancer.
- Designed and implemented an interactive user interface for patient, providing a user-friendly platform to easily upload mouth images and receive real-time disease classification results.
- Leveraged deep learning techniques preprocessing methods, and image augmentation to enhance the accuracy and robustness of disease detection model.
- Collaborated with a multidisciplinary team of researchers and doctors to gather feedback, iterate on the user interface design, and ensure the system's practicality and usability in real-world health care.