

# DEEPAK N

Graduated in Computer Science Engineering

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## Career Objective

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To gain hands-on experience as a Python Developer Intern by contributing to real-world projects and enhancing my skills in Python programming, web development, and automation. I aim to collaborate with experienced professionals, learn new technologies, and grow in a dynamic, team-oriented environment.

## Technical Skills and Tools

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### Programming Languages:

- **Python Fundamentals:**
  - **Basic Collections:** List, Tuple, Dictionary, Set, String, Functions
  - **Advanced Concepts:** File Handling, Regular Expressions, Data Base Connection, Exception Handling.
  - **Iterators & Generators:** Iterators, Generators, Decorators functions
  - **Data Serialization:** JSON, Pickling/Unpickling
  - **Functional Programming:** Map, Filter, Reduce.
  - **Object-Oriented Programming:** Classes, Objects, inheritance, Encapsulation, Polymorphism, Abstraction.
  - **Data Structures and Algorithms**
- **Technologies & Tools:**
  - Vs Code, Oracle SQL, GitHub, Grafana, Prometheus, Jenkins, Docker.
- **Data Analysis & Visualization:**
  - **Advanced SQL:**
    - **SQL:** Oracle SQL, MySQL
    - **Joins:** INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL JOIN
    - **Subqueries:** Inline Sub Query, Nested Sub Query, Correlated Sub Query.
- **Application Development:** Utilize strong knowledge in Python, React, Django, and RESTful APIs to develop secure, scalable applications aligned with business needs.
- **Testing and Debugging:** Apply comprehensive testing and debugging skills to ensure software reliability, leveraging experience with security debugging techniques.
- **Team Collaboration:** Collaborate within agile, cross-functional teams to optimize performance and design user-centric solutions.

## PROFESSIONAL EXPERIENCE

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PANTECH SOLUTION SOLUTIONS || STUDENT INTERN

(SEP 2022 – OCT 2022)

- **Designed, tested, and maintained Python applications**, achieving a 40% boost in object detection efficiency.
- Applied testing and debugging techniques to improve object detection accuracy by 25%. Created and updated
- Ensured secure integration of AI-driven surveillance systems with robust documentation.

## FIELD OF INTEREST

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- Python, SQL, JavaScript, Django. DevOps.

## RESEARCH PAPERWORK/ PROJECT

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### Digital Evaluation System -- Django, Python, SQLite [Paper Survey Link](#) (Feb 2023 - May 2023)

- Utilized HTML, CSS, Bootstrap, and jQuery to design and develop an interactive website, increasing user engagement by 30%.
- Led a workshop with team members to extract and quantify key achievements from resumes, resulting in a 40% improvement in the quality assurance of submissions.
- Refined evaluation features, improving accuracy by 20% and streamlining the evaluation process.

### Etsy Clone – HTML, CSS, Boot Strap (June 2024 - July 2024)

- Design and Developed a complete clone of Etsy, integrating essential features such as user authentication, product listings, and order management, Using strong logic to creating a fully functional e-commerce platform that improved user interaction by 25%.
- Collaborated with Py-Spiders trainers to validate code quality and ensure scalability, resulting in a 30% reduction in system errors.
- Utilized HTML, CSS, and Bootstrap to construct a robust and efficient platform, enhancing overall performance and user satisfaction by 20%.

### User Authentication System with Email OTP Verification - Django, Python, (Sep 2024 – Oct-2024)

#### PostgreSQL, Html, CSS, BootStrap5

- Developed a user authentication system with secure email OTP verification to ensure safe access to the platform.
- Developed a secure user authentication system with email OTP verification for registration and login, ensuring 100% secure user access.
- Developed a secure **user authentication system** with **AI-driven automation** to verify user registration and login.
- Ensured 100% data security using encrypted sessions and implemented scalable **RESTful API** solutions.
- Designed a responsive interface using HTML, CSS, and Bootstrap 5, achieving a modern, user-friendly experience.

## EDUCATION

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- **Bachelor of Engineer** in Computer Science, **Visvesvaraya Technological University**, Global Academy of Technology, Bangalore, Karnataka, India **7.23 CGPA** (2020-2023)
- **Relevant Coursework: Department of Technical Education**, P.V.P Polytechnic, Bangalore, Karnataka (65%)(2015-2018).

## ACHIVEMENTS AND CERTIFICATIONS

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- Completed a Full Stack Development course using Python in Py-Spiders, covering backend and frontend technologies.
- Delivered project updates in weekly team meetings, ensuring the team stayed informed and aligned with project goals.
- Earned second place in the Project Expo, showcasing technical skills and innovative approaches, leading to a 20% improvement in judging scores.