


Kotresh TV

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SUMMARY

I'm a self-motivated back-end developer with nearly 3 years of experience in Back-End Development, Open AI, AWS, GCP, and Web Development. Skilled in creating web applications with multiple APIs, third-party integrations, and databases. I thrive in collaborative environments, focus on customer satisfaction, and excel in developing secure, accessible, and user-friendly interfaces.

WORK EXPERIENCE

HashedIn By Deloitte – Software Engineer – Backend Developer Mar 2022 - present

- **Innovative AI Integration:** Pioneered the integration of AI capabilities using OpenAI across multiple projects, significantly enhancing application functionalities and delivering cutting-edge solutions that set new industry standards.
- **Expertise in Cloud Solutions:** Demonstrated exceptional proficiency in deploying and managing scalable, secure, and cost-effective cloud services on AWS and GCP, ensuring optimal performance and resource utilization.
- **Mastery of API Development:** Developed and optimized highly efficient and reliable APIs, facilitating seamless integration with various front-end systems and third-party services, ultimately driving superior user experiences.
- **Advanced Database Management:** Engineered and maintained complex database systems with a strong focus on data integrity, performance, and security, showcasing advanced skills in both SQL and NoSQL environments.
- **Leadership in Custom Web Applications:** Led the end-to-end development of bespoke web applications, prioritizing accessibility, security, and user satisfaction, resulting in exceptional client feedback and successful project outcomes.
- **Continuous Improvement:** Actively participated in code reviews and implemented feedback to ensure high-quality code standards. Engaged in ongoing learning and applied new technologies to improve project outcomes.
- **Award-Winning Developer:** Recognized with the "Outstanding Developer Award" for delivering exceptional contributions to project success, innovative problem-solving, and consistently exceeding customer expectations.

CySeck IISC Bangalore – Application Developer – Backend Developer Sep 2021 - Mar 2022

- **API Design and Implementation:** Developed robust APIs to facilitate smooth data exchange between front-end and back-end systems, ensuring efficient and reliable performance.
- **Cloud Infrastructure:** Managed and optimized back-end services using AWS and GCP, ensuring secure and scalable cloud solutions.
- **Database Design and Maintenance:** Designed, implemented, and maintained complex databases, ensuring high performance and data integrity. Regularly performed database tuning and optimization.
- **Web Application Development:** Led the creation of custom web applications, focusing on user accessibility, security, and responsiveness to meet diverse client requirements.
- **Team Collaboration:** Collaborated with cross-functional teams to troubleshoot and resolve technical challenges, enhancing overall project efficiency and success.
- **Quality Assurance:** Conducted thorough code reviews and integrated feedback to maintain high standards of code quality. Continuously explored new technologies to enhance project outcomes.

APPRENTICESHIP/INTERNSHIP

Internshala(Apprenticeship) – CEH Ethical Hacker

Jun 2019 - Jun 2022

- **Vulnerability and Penetration Testing:** Expert in identifying security vulnerabilities and performing penetration tests to uncover and address potential security threats.
- **Network and Web Application Security:** Proficient in securing network infrastructures and web applications against common and advanced cyber threats.
- **Incident Response and Risk Management:** Skilled in developing incident response plans and conducting risk assessments to mitigate and manage security incidents effectively.
- **Malware Analysis and Cryptography:** Experienced in analyzing malware and implementing cryptographic solutions to protect data integrity and confidentiality.

PROJECTS

Covid-19 and Pneumonia Detection Using Chest X-ray

Here, we developed an application where it can predict whether the person has Covid19 and Pneumonia or not, using simple chest X-ray report. Where we developed using CNN model and some machine learning algorithms along with VGG16 for the better and accurate prediction, also this project published on ICCIML(International Conference on Computational Intelligence in Machine Learning)

EDUCATION

2018-2022	Bachelor's of Engineering at Don Bosco Institute of Technology	(SGPA: 8.71/10)
2018	Class 12th State Board	(82 perc)
2016	Class 10th State Board	(87 perc)

PUBLICATIONS

TV, Kotresh (Sept. 2022). "Paper: Covid-19 and Pneumonia Detection Using Chest X-ray Images". In: *ICCIML* 99.6602, pp. 01–48. URL: <https://easychair.org/conferences/?conf=iccm12022>.

SKILLS

Technical Skills

- **Programming Languages:** Proficient in Python and Java.
- **Frameworks:** Experienced with Flask, Django, and Spring.
- **API Development:** Designed, implemented, and optimized RESTful APIs to facilitate smooth communication between front-end and back-end systems.
- **Database Management:** Skilled in relational (SQL) and non-relational (NoSQL) databases, including PostgreSQL, MySQL, MongoDB, and Redis.
- **Security Practices:** Implemented encryption, authentication, and authorization measures to ensure data security and prevent cyber threats.
- **Problem-Solving Skills:** Strong analytical and problem-solving abilities to troubleshoot and resolve complex technical challenges efficiently..

Interpersonal Skills

- Enthusiastic and an active player.
- Can easily adjust in different situations.
- Morally fit and well being for any environment.
- Decision-making.
- Conflict resolution and mediation.