- Name: Deep Salunkhe
- Roll No.:21102A0014

```python
import re

def parse_resume(resume_text):
    # Initialize dictionary to store extracted information
    parsed_info = {
        'name': '',
        'technical_skills': [],
        'experience': []
    }

    # Extract name (assuming it's the first line of the resume)
    name_match = re.match(r'^([A-Z][a-z]+ [A-Z][a-z]+)', resume_text)
    if name_match:
        parsed_info['name'] = name_match.group(1)

    # Extract technical skills
    skills_section = re.search(r'(?i)Technical Skills?:?(.*?)(?:\n\n|\
Z)', resume_text, re.DOTALL)
    if skills_section:
        skills = re.findall(r'\b[A-Za-z+#]+\b',
skills_section.group(1))
        parsed_info['technical_skills'] = list(set(skills))  # Remove
duplicates

    # Extract experience
    experience_section = re.search(r'(?i)Experience:?(.*?)(?:\n\n|\
Z)', resume_text, re.DOTALL)
    if experience_section:
        experiences = re.findall(r'(?i)(.*?(?:Engineer|Developer|
Programmer|Designer).*?)(?=\n\n|\Z)', experience_section.group(1),
re.DOTALL)
        parsed_info['experience'] = [exp.strip() for exp in
experiences]

    return parsed_info

# Example usage
resume_text = """
{
  "name": "Deep Salunkhe",
  "phone": "9022682334",
  "email": "deepsalunkhee@gmail.com",
  "links": {
    "linkedin": "linkedin.com/in/deepsalunkhe",
    "github": "github.com/deepsalunkhee",
    "leetcode": "LeetCode",
    "geeksforgeeks": "GeeksforGeeks",
```

```json
    "codechef": "Codechef",
    "codeforces": "Codeforces",
    "hackerrank": "HackerRank",
    "twitter": "Twitter",
    "threads": "Threads"
  },
  "education": [
    {
      "institution": "Vidyalankar Institute Of Technology",
      "degree": "Bachelor of Engineering in Computer Engineering",
      "duration": "2021 — 2025",
      "cgpa": 9.9,
      "location": "Mumbai, Maharashtra"
    },
    {
      "institution": "Private Junior college",
      "degree": "HSC board",
      "duration": "2020 — 2021",
      "grade": 95.33,
      "location": "Kolhapur, Maharashtra"
    }
  ],
  "Technical Skills": [
    "C++",
    "HTML",
    "CSS",
    "Javascript",
    "ReactJs",
    "NodeJs",
    "ExpressJs",
    "MongoDB",
    "SQL",
    "Firebase",
    "Java",
    "Python"
  ],
  "tools_and_techniques": [
    "VS Code",
    "Git-Github",
    "JupyterNoteBook",
    "Canva",
    "Android Studio",
    "AWS",
    "Azure"
  ],
  "relevant_coursework": [
    "Data Structures",
    "Algorithms",
    "Database Management",
```

```json
      "Operating Systems",
      "Computer Networks"
    ],
    "experience": [
      {
        "role": "Full Stack Developer Intern",
        "company": "SellerKin",
        "project": "Etsy Market analysis tool",
        "duration": "Dec 2023 -Jan 2024",
        "responsibilities": [
          "Contributed using technologies like React.js, Express.js, and
Firebase.",
          "Added features including: Data export functionality,
Implementation of the settings tab, Development of a collaborator
feature, Integrated PayPal and stripe payment gate way, also created
the documentation for the various portions of code base.",
          "Proposed an algorithm leveraging Etsy APIs to predict product
sales through regression analysis."
        ]
      }
    ],
    "projects": [
      {
        "name": "Hostel Bank",
        "type": "Financial Management application",
        "links": {
          "demo": "Demo",
          "code": "Code",
          "video": "Video"
        },
        "details": [
          "Built using React,express,Mongodb,Tailwind ,used bcrypt and
JWT for auth,used Brevo for sending notification",
          "Features: Creating and joining groups, sending and settling
money request, in app notification, Transactions history,change
password,forgot password handling",
          "Explored Deployment using AWS app service , amplify,
EC2,github actions, docker and CI/CD uisng YML"
        ]
      },
      {
        "name": "AngleEye",
        "type": "Real Time Location sharing app",
        "links": {
          "demo": "Demo",
          "code": "Code",
          "video": "Video"
        },
        "details": [
```

```
        "Developed front-end using React.js, utilized Leaflet library
for maps, and Axios for request handling.",
        "Implemented Express server with 5 API routes, leveraging
MongoDB as the database.",
        "Achieved real-time location sharing through a function that
updates and sends current location every minute"
      ]
    },
    {
      "name": "BroFood",
      "type": "Online Food app",
      "links": {
        "demo": "Demo",
        "code": "Code",
        "video": "Video"
      },
      "details": [
        "Utilized React.js, Bootstrap, localStorage, react-router-dom,
and Fetch API in front-end implementation.",
        "Developed API routes for user signin, signup, data retrieval
from DB, and displaying ordered data.",
        "Implemented JWT and bcrypt for enhanced data security in case
of DB compromise."
      ]
    },
    {
      "name": "Developer Times",
      "type": "News app",
      "links": {
        "demo": "Demo",
        "code": "Code",
        "video": "Video"
      },
      "details": [
        "Developed DeveloperTimes, a web application using NewsApi and
MERN stack",
        "Implemented API handling, data fetching, and frontend data
display using destructuring",
        "Managed frontend-to-backend request handling for seamless
user experience"
      ]
    }
  ],
  "leadership_and_extracurricular": [
    {
      "organization": "IEEE-VIT",
      "team": "TECH-WEB TEAM",
      "duration": "Aug 2022 – June 2023",
      "responsibilities": [
```

```python
        "Managed IEEE-VIT's official website, including regular
updates and maintenance.",
        "Developed websites for tech festivals, providing event
information and registration features.",
        "Handled technical aspects and coordinated with team members
to ensure the successful execution of tech fests"
      ]
    },
    {
      "organization": "UNSTOP-VIT",
      "team": "SPONSERSHIP CORE",
      "duration": "Mar 2022 — Dec 2022",
      "responsibilities": [
        "Secured event sponsors to support college initiatives and
activities.",
        "Maintained relationships with previous sponsors for continued
support and partnership.",
        "Coordinated with core team members to gather necessary
resource details for successful events."
      ]
    }
  ],
  "summary": "A tech enthusiast who is always eager to learn with
experience in Full Stack Development."
}
"""

parsed_resume = parse_resume(resume_text)

print("Parsed Resume Information:")
print(f"Name: {parsed_resume['name']}")
print(f"Technical Skills: {',
'.join(parsed_resume['technical_skills'])}")
print("Experience:")
for exp in parsed_resume['experience']:
    print(f"- {exp}")
```

Parsed Resume Information:
Name:
Technical Skills: stack, router, ReactJs, Achieved, Coordinated,
registration, initiatives, backend, Canva, portions, API, Dec, change,
Explored, react, demo, Data, also, through, Integrated, maintenance,
Express, Utilized, BroFood, data, eager, Algorithms, server, Time,
information, duration, uisng, summary, always, projects, NodeJs,
Times, Maintained, partnership, aspects, functionality, providing,
CSS, with, Aug, support, Food, settling, YML, Contributed, tab, and,
a, used, Studio, technical, service, AngleEye, sales, maps, SQL, dom,
Java, localStorage, resource, Development, algorithm, Financial, web,
routes, sponsors, features, members, necessary, regular, C, fests,
execution, JWT, event, history, Database, auth, the, A, js, stripe,

Full, Operating, Secured, Stack, Implemented, successful, Demo,
docker, TEAM, export, company, Jan, of, Online, request, current, who,
various, AWS, Computer, responsibilities, joining, activities, Video,
regression, Tailwind, amplify, MERN, collaborator, organization, that,
enhanced, name, CD, destructuring, groups, application, database,
function, SPONSERSHIP, June, express, like, Etsy, Features, Developer,
minute, displaying, to, as, Leaflet, bcrypt, sending, fetching,
enthusiast, relationships, News, experience, display, IEEE, Code,
security, settings, official, coordinated, seamless, gate, sends, VS,
frontend, SellerKin, Implementation, previous, Added, React, product,
Hostel, ensure, Deployment, CI, type, using, college, Azure, signup,
Built, links, ordered, continued, location, an, technologies,
DeveloperTimes, project, Axios, end, case, Systems, PayPal,
Transactions, Github, role, way, Handled, in, Git, video, Developed,
code, MongoDB, actions, Javascript, front, festivals, is, password,
sharing, payment, details, forgot, Real, Location, compromise, Mar,
Mongodb, s, Managed, tech, Android, CORE, time, core, Structures,
utilized, JupyterNoteBook, created, Python, website, DB, learn, VIT,
Intern, every, handling, implementation, UNSTOP, real, notification,
HTML, retrieval, for, Bootstrap, team, Bank, feature, Creating, money,
Management, Firebase, predict, updates, user, documentation, signin,
analysis, NewsApi, TECH, from, Brevo, library, including, ExpressJs,
app, github, events, leveraging, Fetch, Proposed, base, Market,
websites, WEB, Networks, tool, gather, APIs
Experience:
- ": [
    {
      "role": "Full Stack Developer Intern",
      "company": "SellerKin",
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